

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: ST ML 22934	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: 891008900A	
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP				9. WELL NAME and NUMBER: NBU 921-26IT	
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779 PHONE NUMBER: (720) 929-6226				10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1964' FSL & 674' FEL LAT 40.005178 LON -109.511214 (NAD 27) AT PROPOSED PRODUCING ZONE: N/A <i>-109.511138</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 26 9S 21E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 16.9 miles east of Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 674'		16. NUMBER OF ACRES IN LEASE: 174.52		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 20'		19. PROPOSED DEPTH: 9,650		20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,006' GR		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: 10 days	

24.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8" J-55 36#	2,350	Premium Cement 215 sx 1.18 15.6
			Premium Cement 100 sx 1.18 15.6
7 7/8"	4 1/2" I-80 11.6#	9,650	Premium Lite II 470 sx 3.38 11.0
			50/50 Poz G 1500 sx 1.31 14.3

25.

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Kevin McIntyre TITLE Regulatory Analyst I
SIGNATURE *Kevin McIntyre* DATE 6/30/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-047-401109

Approved by the
Utah Division of
Oil, Gas and Mining

APPROVAL:

Date: 09-02-08

(See Instructions on Reverse Side)

By: *[Signature]*

RECEIVED

JUL 02 2008

DIV. OF OIL, GAS & MINING

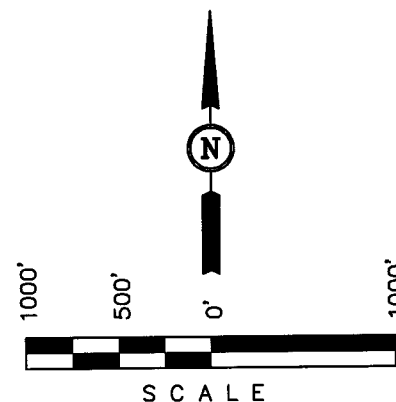
T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-26IT, located as shown in the NE 1/4 SE 1/4 of Section 26, T9S, R21E, S.L.B.&M. Uintah County, Utah.

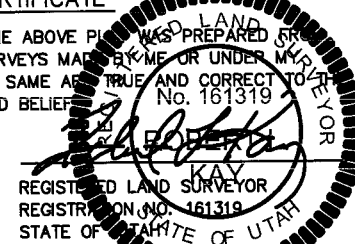
BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



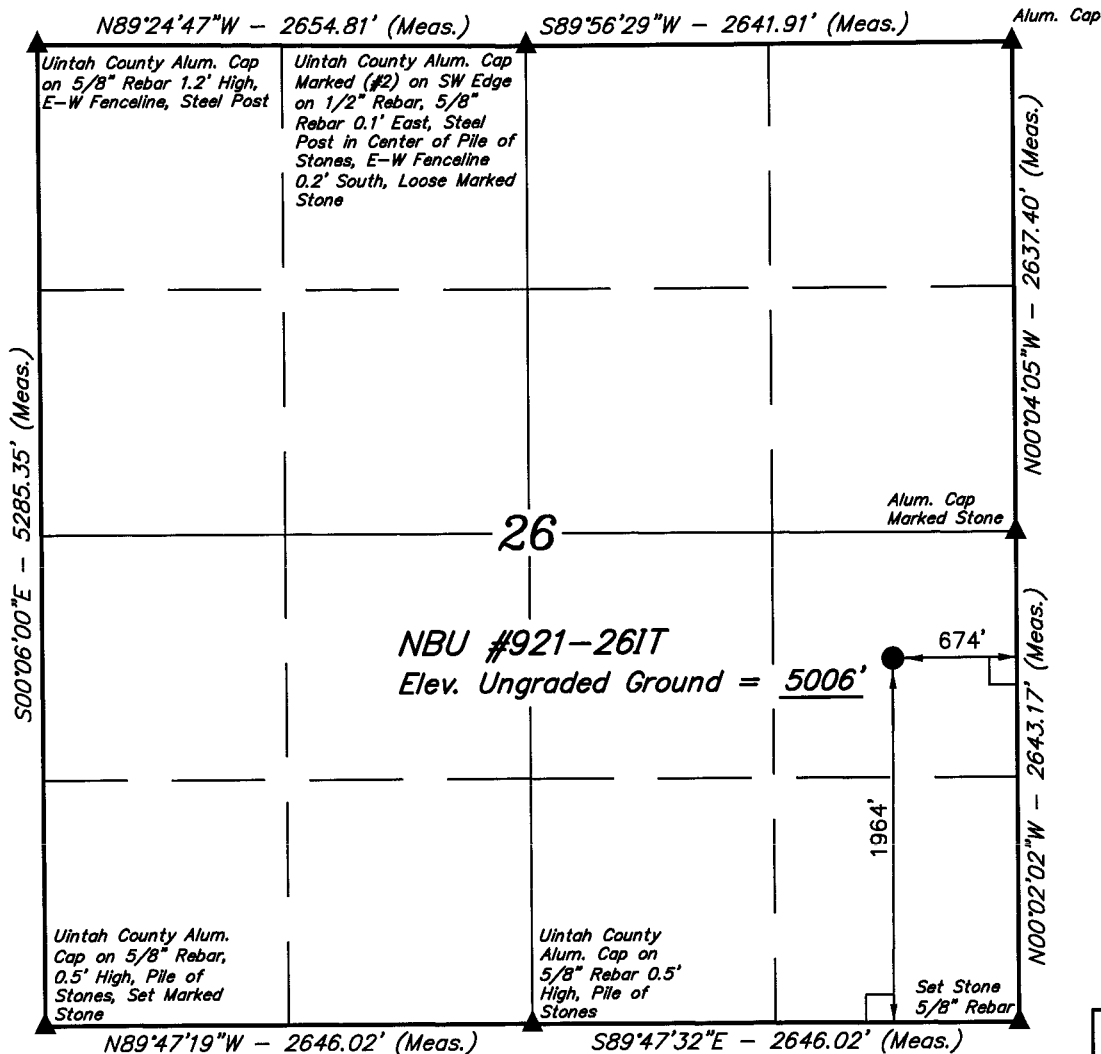
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-28-08	DATE DRAWN: 06-05-08
PARTY J.R. R.P. S.L.	REFERENCES G.L.O. PLAT	
WEATHER COLD	Kerr-McGee Oil & Gas Onshore LP	



BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°00'18.51" (40.005142)
 LONGITUDE = 109°30'42.84" (109.511900)
 (NAD 27)
 LATITUDE = 40°00'18.64" (40.005178)
 LONGITUDE = 109°30'40.37" (109.511214)

**NBU 921-26IT
NESE Sec. 26, T9S,R21E
UINTAH COUNTY, UTAH
ST ML 22934**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1528'
Birds Nest	1817'
Mahogany	2305'
Wasatch	4785'
Mesaverde	7513'
MVU2	8457'
MVL1	9060'
TD	9650'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1528'
Water	Birds Nest	1817'
Water	Mahogany	2305'
Gas	Wasatch	4785'
Gas	Mesaverde	7513'
Gas	MVU2	8457'
Gas	MVL1	9060'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9650' TD, approximately equals 5983 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3860 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

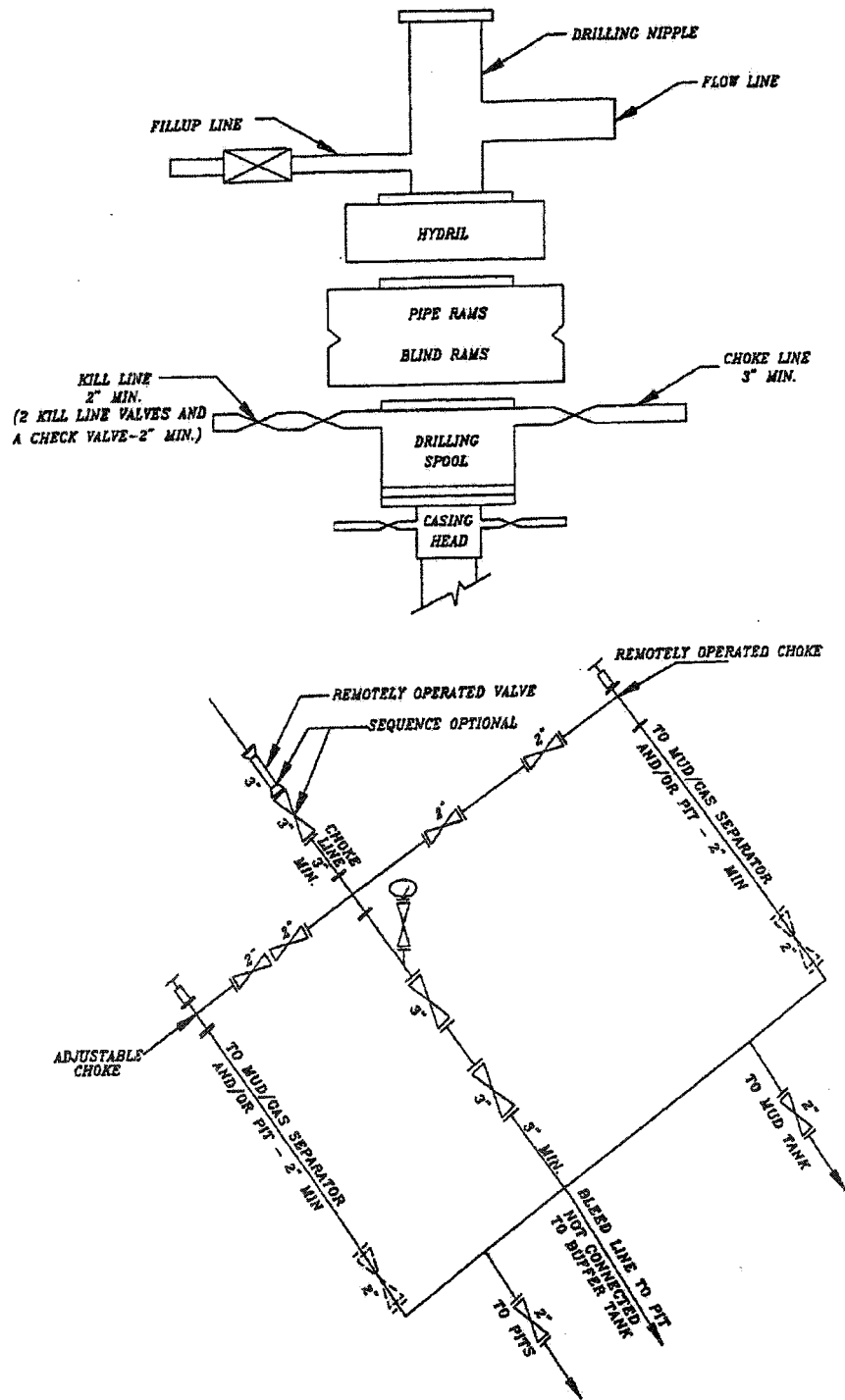
Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 921-26IT
NESE SEC 26-T9S-R21E
Uintah County, UT
ST ML 22934

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

The existing road for the NBU #68 will be utilized. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

No new access road is proposed. Refer to Topo Map B for the location of the existing access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or

installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

No new pipeline utilizing the existing NBU #68 pipeline. No TOPO D attached.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 20 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. CIGE 112D SWD – SESE, SECTION 19, T9S, R21E, NBU 47N2 SWD – SESW, SECTION 30, T10S, R22E, NBU 159 SWD – NESW, SECTION 35, T9S, R21E, NBU 347 – NWSW, SECTION 11, T10S, R22E, Ouray #1 SWD – NENE SECTION 1, T9S, R21E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface/Mineral Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operators's Representative & Certification:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO BOX 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

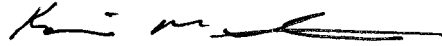
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



Kevin McIntyre
Regulatory Analyst

6/30/2008

Date

KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	June 30, 2008		
WELL NAME	NBU 921-261T			TD	9,650' MD/TVD		
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	5,006' GL KB 5,021'
SURFACE LOCATION	NESE 1964' FSL & 674' FEL, Sec. 26, T 9S R 21E					BHL	Straight Hole
	Latitude: 40.005178		Longitude: -109.511214		NAD 27		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.						

GEOLOGICAL FORMATION			MECHANICAL		
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to	4,785'				
	Green River @	1,528'			
	Top of Birds Nest Water @	1,817'			
	Mahogany @	2,305'			
	Preset f/ GL @				
	2,350' MD				
Note: 12.25" surface hole will usually be drilled $\pm 400'$ below the bottom of lost circulation zone. Drilled depth may be $\pm 200'$ of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,785'			
	Mverde @	7,513'			
	MVU2 @	8,457'			
	MVL1 @	9,060'			
	TD @	9,650'			Max anticipated Mud required 11.8 ppg



CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2,350'	36.00	J-55	LTC	0.93	1.84	6.11
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9650	11.60	I-80	LTC	2.05	1.07	2.06

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3860 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE	Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized				
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,280'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	470	60%	11.00	3.38
	TAIL	5,370'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1500	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: _____

DRILLING SUPERINTENDENT:

Randy Bayne

NBU 921-261T.xls

DATE: _____

Kerr-McGee Oil & Gas Onshore LP
NBU #921-26IT
SECTION 26, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN SOUTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ACCESS ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE LOCATION NBU#68 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.1 MILES.

KERR-MCGEE OIL & GAS ONSHORE LP

NBU #921-26IT

LOCATED IN UTAH COUNTY, UTAH
SECTION 26, T9S, R21E, S.L.B.&M.

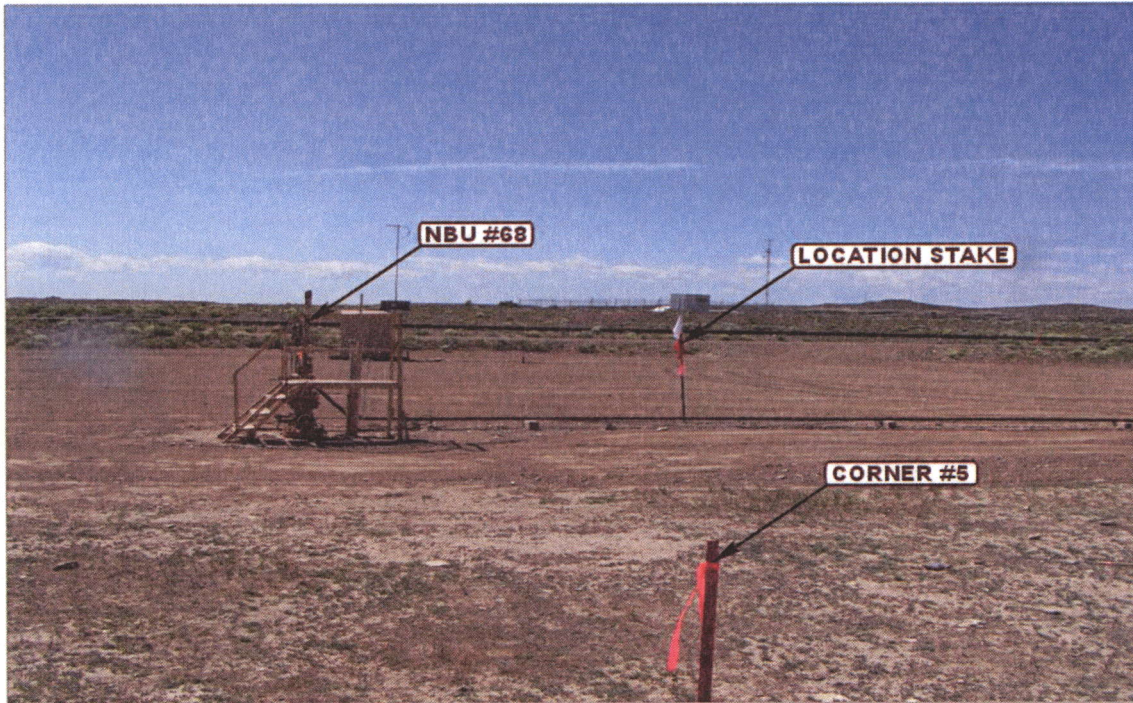


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

06
MONTH

14
DAY

08
YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: J.J.

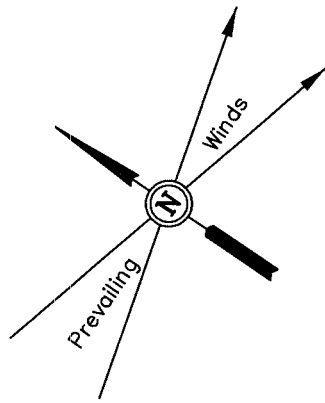
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

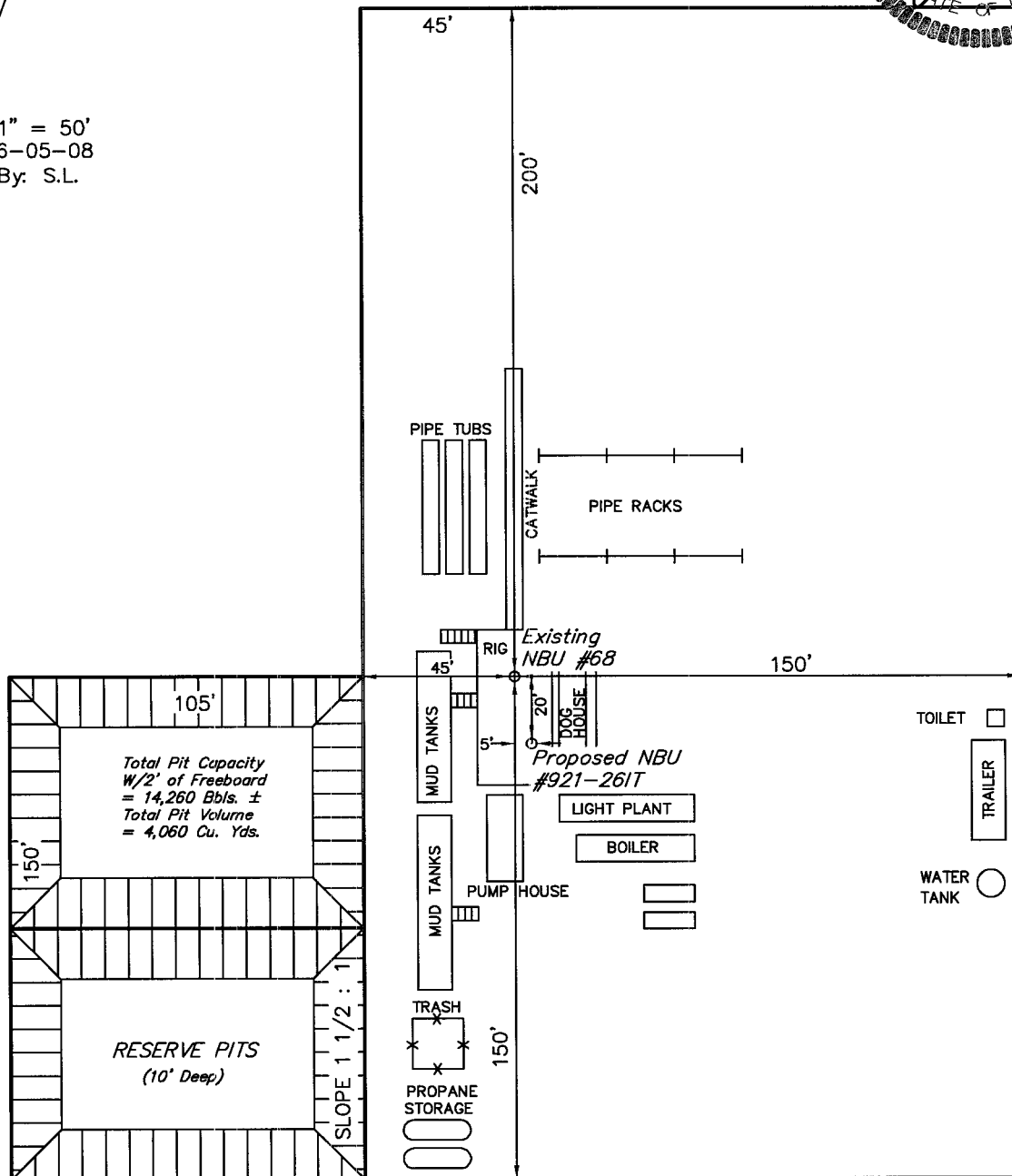
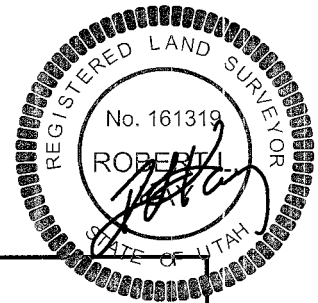
FIGURE #1

LOCATION LAYOUT FOR

NBU #921-26IT
SECTION 26, T9S, R21E, S.L.B.&M.
1964' FSL 674' FEL



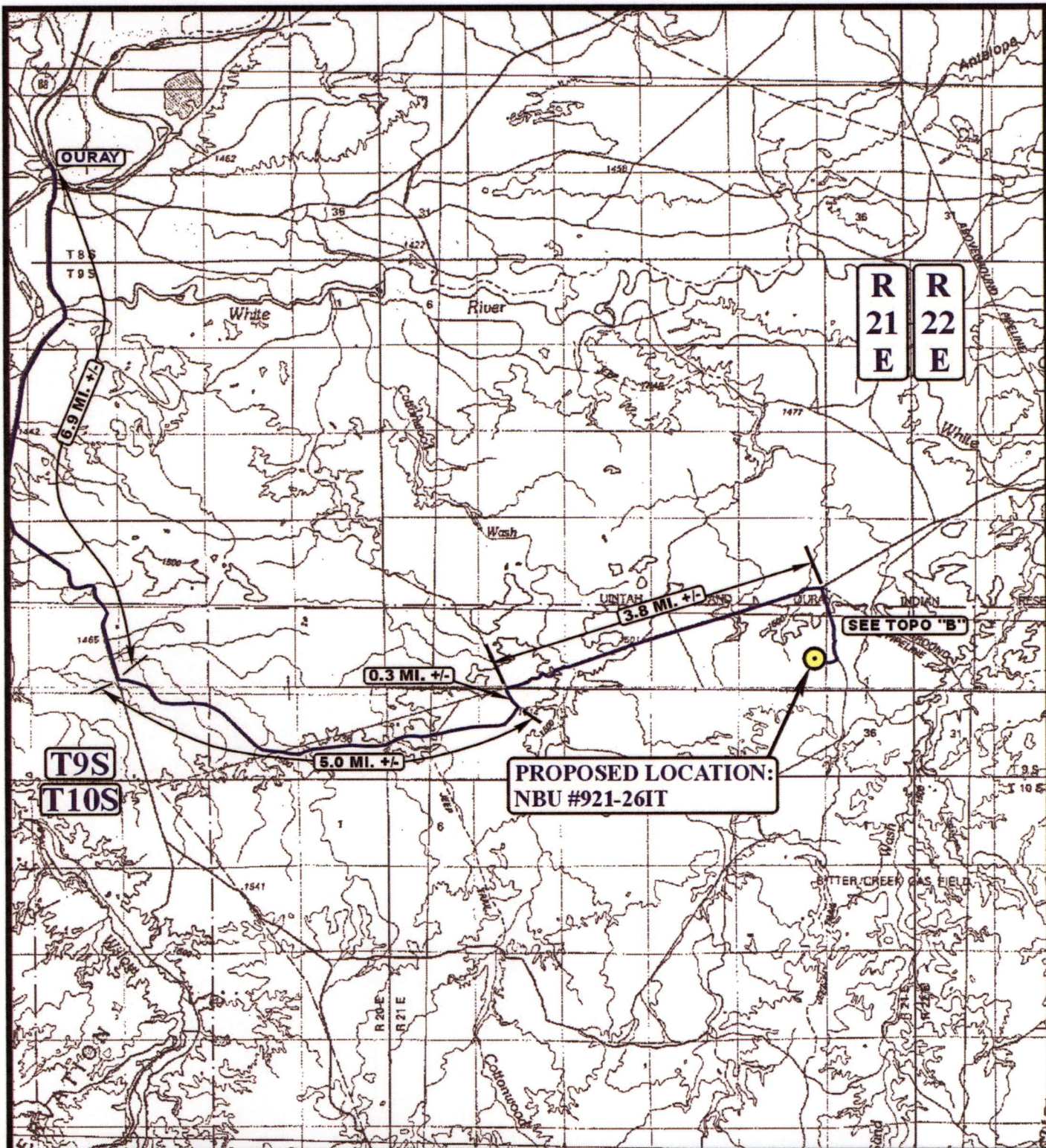
SCALE: 1" = 50'
DATE: 06-05-08
Drawn By: S.L.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5005.8'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

● PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #921-26IT

SECTION 26, T9S, R21E, S.L.B.&M.

1694' FSL 674' FEL



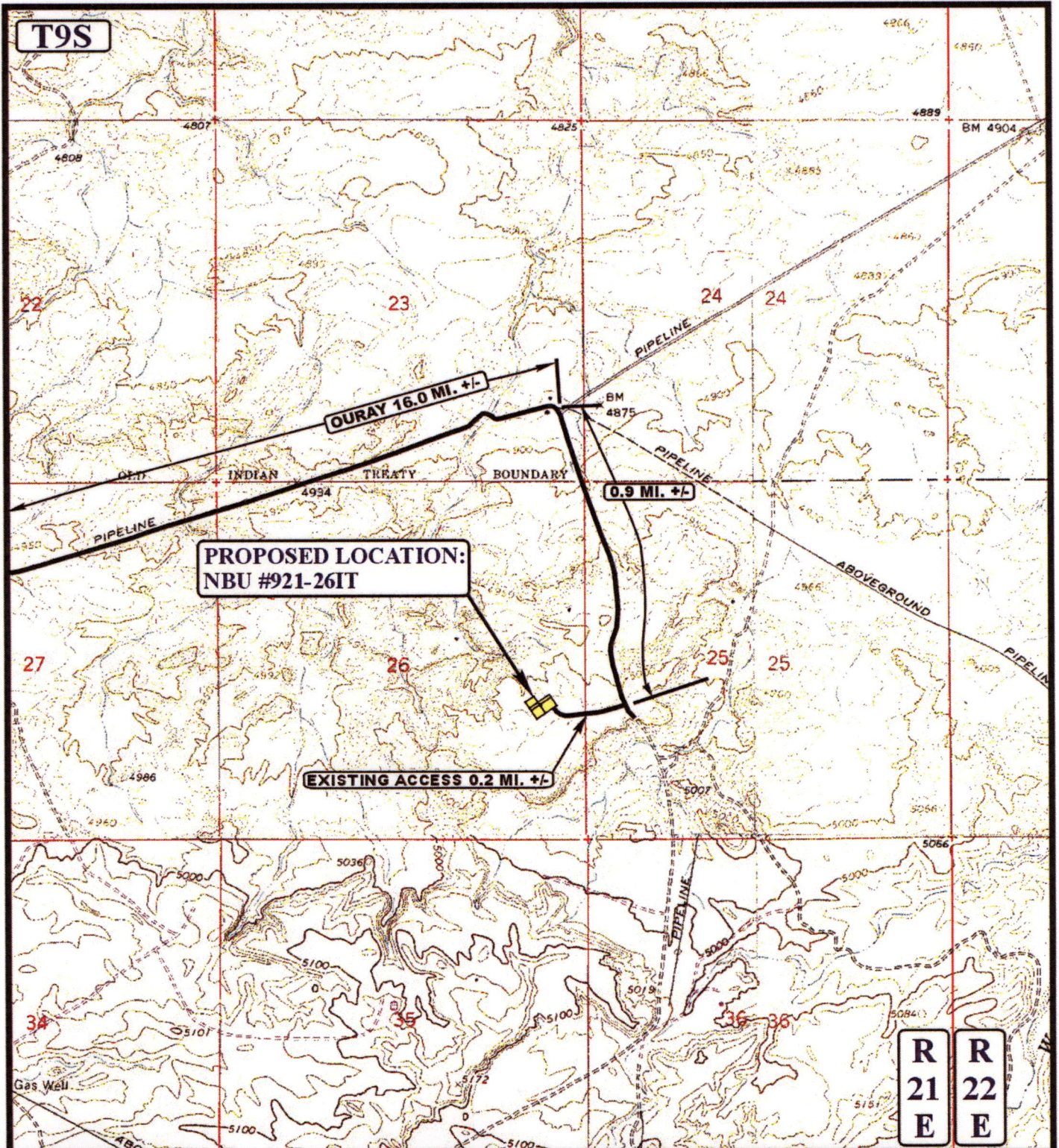
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 14 08
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00





LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #921-26IT
SECTION 26, T9S, R21E, S.L.B.&M.
1964' FSL 674' FEL



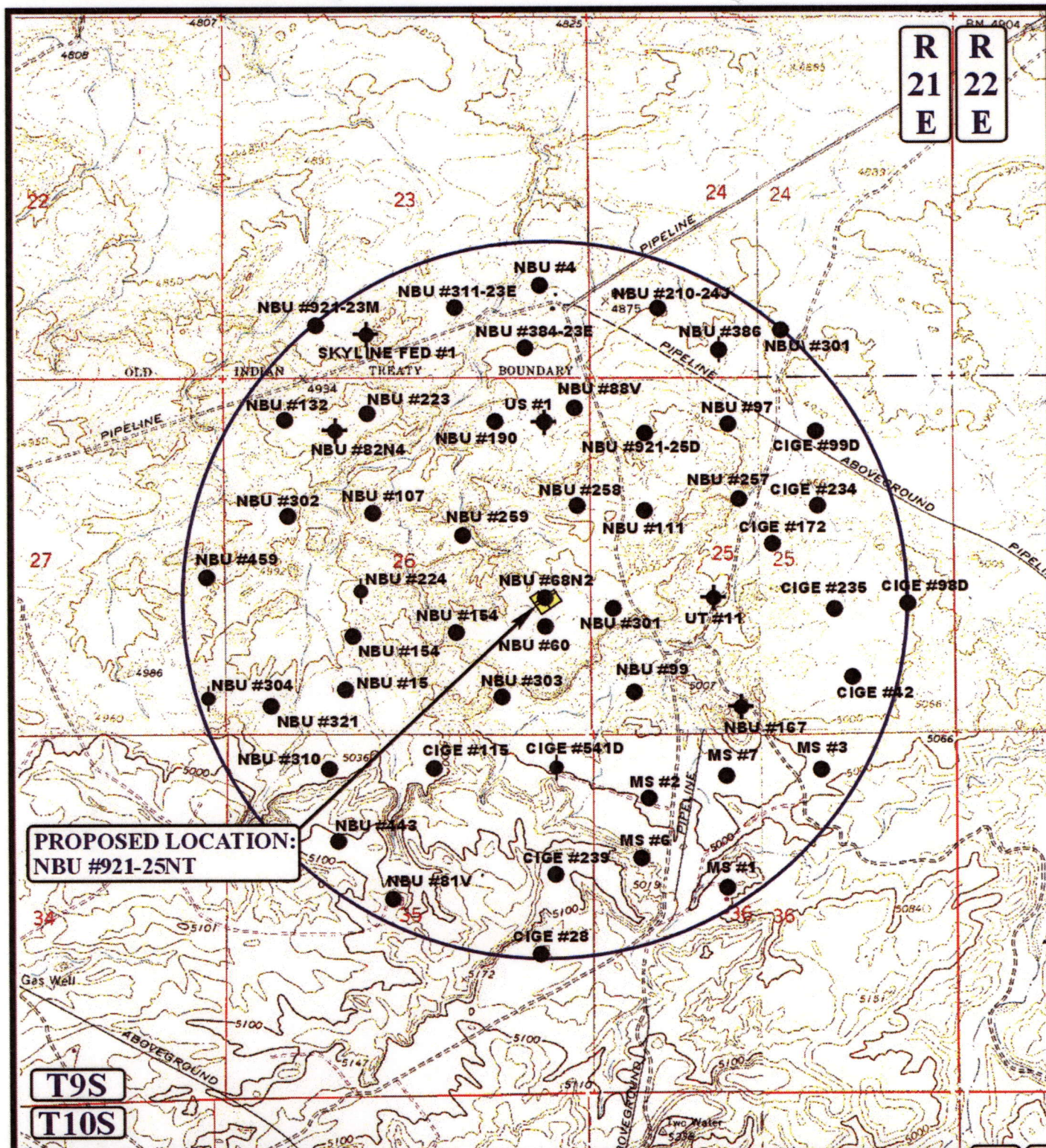
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 14 08
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

B
TOPO



PROPOSED LOCATION:
NBU #921-25NT

T9S

T10S

LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

U&L

Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

NBU #921-26IT
SECTION 26, T9S, R21E, S.L.B.&M.
1964' FSL 674' FEL

TOPOGRAPHIC
MAP

06 14 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.J. REVISED: 00-00-00

C
TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/02/2008

API NO. ASSIGNED: 43-047-40169

WELL NAME: NBU 921-26IT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

NESE 26 090S 210E

SURFACE: 1964 FSL 0674 FEL

BOTTOM: 1964 FSL 0674 FEL

COUNTY: UINTAH

LATITUDE: 40.00512 LONGITUDE: -109.5111

UTM SURF EASTINGS: 627085 NORTHINGS: 4429177

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	Duo	8/28/08
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ST ML 22934

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-8496)

☒ RDCC Review (Y/N)
(Date: _____)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: NATURAL BUTTES

 R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1994

Siting: 460' fr u/drg & uncomm. Tract

 R649-3-11. Directional Drill

COMMENTS:

Needs Presid (OG-18-08)

STIPULATIONS:

1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg Cont Strip

Application for Permit to Drill

Statement of Basis

8/12/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
867	43-047-40169-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P. Surface Owner-APD				
Well Name	NBU 921-26IT	Unit	NATURAL BUTTES		
Field	NATURAL BUTTES		Type of Work		
Location	NESE 26 9S 21E S 1964 FSL 674 FEL GPS Coord (UTM) 627085E 4429177N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 1,000'. A search of Division of Water Rights records shows one water wells within a 10,000 foot radius of the center of Section 26. The well is listed as 2,640 feet deep and used for drilling water. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill
APD Evaluator

8/11/2008
Date / Time

Surface Statement of Basis

The proposed NBU 921-26IT gas well is on the existing location of the NBU 68 gas well. This well is planned to be plugged. A reserve pit 105' x 150' x 10' deep will be re-dug in the northwest corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Ed Bonner represented SITLA at the presite evaluation and had no concerns regarding the proposal.

Floyd Bartlett
Onsite Evaluator

6/18/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 921-26IT
API Number 43-047-40169-0 **APD No** 867 **Field/Unit** NATURAL BUTTES
Location: 1/4, 1/4 NESE **Sec** 26 **Tw** 9S **Rng** 21E 1964 FSL 674 FEL
GPS Coord (UTM) 627077 4429183 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Ed Bonner (SITLA), Raleen White, Kevin McIntyre, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

The proposed NBU 921-26IT gas well is on the existing location of the NBU 68 gas well. This well is planned to be plugged. A reserve pit 105' x 150' x 10' deep will be re-dug in the northwest corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Ed Bonner represented SITLA at the presite evaluation and had no concerns regarding the proposal.

Surface Use Plan

Current Surface Use

Existing Well Pad

New Road

Miles	Well Pad Width	Length	Src Const Material	Surface Formation
-------	-------------------	--------	--------------------	-------------------

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?

Paleo Potential Observed?

Cultural Survey Run?

Cultural Resources?

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score

35

Sensitivity Level

Characteristics / Requirements

A reserve pit 105' x 150' x 10' deep will be re-dug in the northwest corner of the location.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 16

Pit Underlayment Required? Y

Other Observations / Comments

Floyd Bartlett

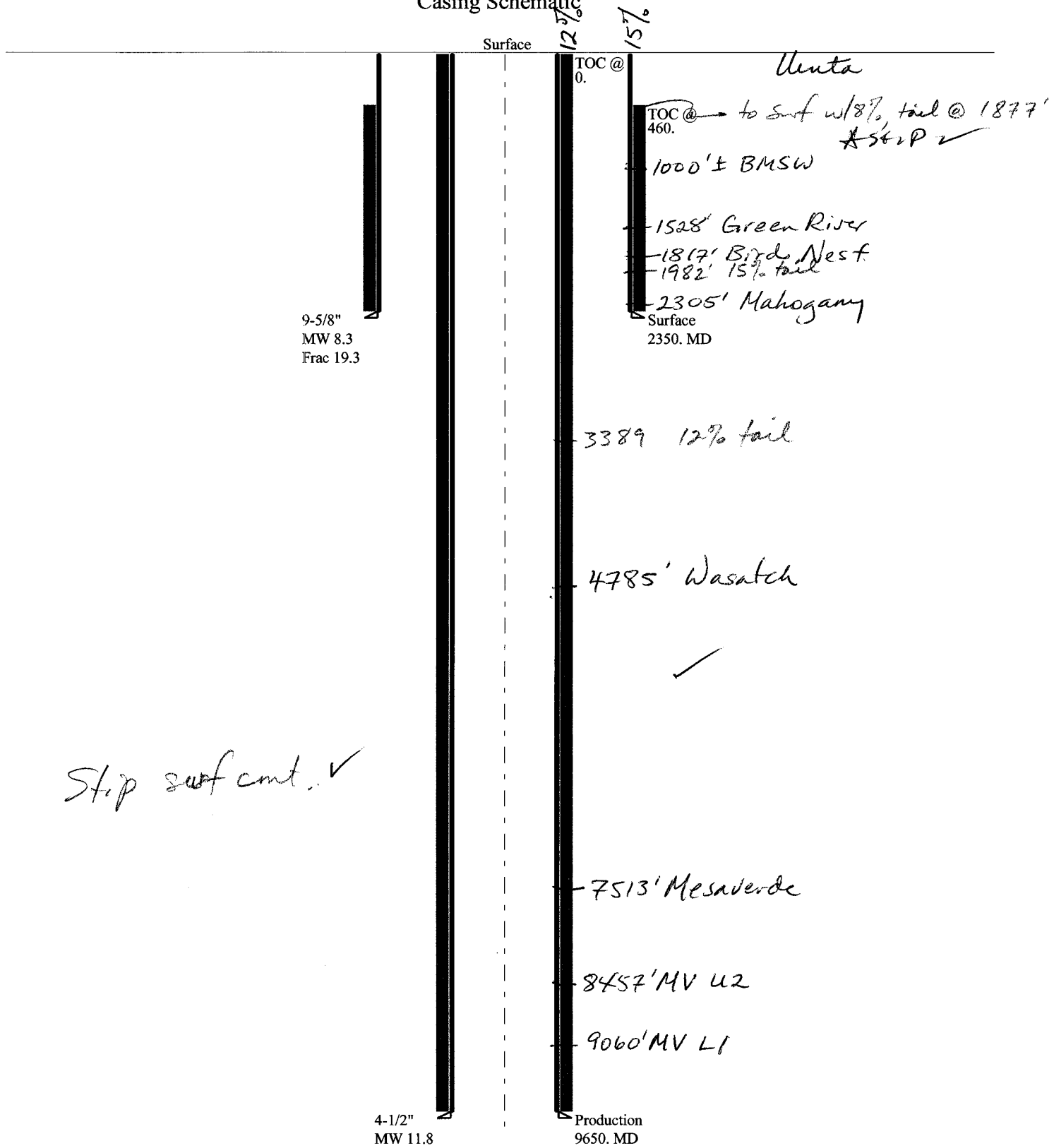
Evaluator

6/18/2008

Date / Time

43047401690000 NBU 921-26IT

Casing Schematic



Well name:	43047401690000 NBU 921-26IT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	Project ID:
String type:	Surface	43-047-40169-0000
Location:	Uintah County, Utah	

Design parameters:
Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:
Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 460 ft

Burst

Max anticipated surface pressure: 2,068 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,350 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,060 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 9,650 ft
Next mud weight: 11.800 ppg
Next setting BHP: 5,915 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,350 ft
Injection pressure: 2,350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	2350	9.625	36.00	J-55	LT&C	2350	2350	8.796	1020.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1017	2020	1.986	2350	3520	1.50	74	453	6.11 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: August 19, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2350 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43047401690000 NBU 921-26IT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Production	Project ID: 43-047-40169-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 11.800 ppg
Internal fluid density: 2.300 ppg

Burst

Max anticipated surface pressure: 3,792 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 5,915 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 7,948 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 210 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Completion type is subs
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9650	4.5	11.60	I-80	LT&C	9650	9650	3.875	842.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4762	6360	1.335	5915	7780	1.32	112	212	1.89 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: August 19, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9650 ft, a mud weight of 11.8 ppg. An internal gradient of .119 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW

Kerr-McGee NBU 922-26IT API 43-047-40169-0000

INPUT

Well Name

Kerr-McGee NBU 922-26IT API 43-047-40169-0000

Casing Size (")

String 1	String 2		
9 5/8	4 1/2		
2350	9650		
20	2350		
8.4	11.8	✓	
500	5000		
3520	7780		
5983	11.9 ppg	✓	

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

Calculations

String 1 9 5/8 "

Max BHP [psi]

.052*Setting Depth*MW = 1026

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12*Setting Depth) = 744

NO

Air Drill to surface shoe with diverter

MASP (Gas/Mud) [psi]

Max BHP-(0.22*Setting Depth) = 509

NO

*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 514

NO

no expected pressures - Bids rest LC pres.

Required Casing/BOPE Test Pressure

2350 psi

*Max Pressure Allowed @ Previous Casing Shoe =

20 psi

*Assumes 1psi/ft frac gradient

Calculations

String 2 4 1/2 "

Max BHP [psi]

.052*Setting Depth*MW = 5921

BOPE Adequate For Drilling And Setting Casing at Depth?

MASP (Gas) [psi]

Max BHP-(0.12*Setting Depth) = 4763

YES

MASP (Gas/Mud) [psi]

Max BHP-(0.22*Setting Depth) = 3798

YES ✓

*Can Full Expected Pressure Be Held At Previous Shoe?

Pressure At Previous Shoe Max BHP-.22*(Setting Depth - Previous Shoe Depth) = 4315

NO

reasonable

Required Casing/BOPE Test Pressure

5000 psi

*Max Pressure Allowed @ Previous Casing Shoe =

2350 psi

*Assumes 1psi/ft frac gradient

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

July 15, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-40184	NBU 921-30FT	Sec 30 T09S R21E 1585 FNL 2614 FWL
43-047-40185	NBU 921-31BT	Sec 31 T09S R21E 0670 FNL 2008 FEL
43-047-40170	NBU 921-27KT	Sec 27 T09S R21E 1527 FSL 1821 FWL
43-047-40171	NBU 921-27MT	Sec 27 T09S R21E 0634 FSL 0931 FWL
43-047-40172	NBU 921-27OT	Sec 27 T09S R21E 0646 FSL 2211 FEL
43-047-40173	NBU 921-27HT	Sec 27 T09S R21E 2025 FNL 0623 FEL
43-047-40174	NBU 921-27LT	Sec 27 T09S R21E 1954 FSL 0641 FWL
43-047-40175	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-40227	NBU 921-27C2D	Sec 27 T09S R21E 0650 FNL 1730 FWL
43-047-40203	NBU 921-27D2DS	Sec 27 T09S R21E 0660 FNL 1713 FWL
	BHL	Sec 27 T09S R21E 0395 FNL 0350 FWL
43-047-40202	NBU 921-27D2AS	Sec 27 T09S R21E 0640 FNL 1747 FWL
	BHL	Sec 27 T09S R21E 0050 FNL 0350 FWL
43-047-40201	NBU 921-27C2AS	Sec 27 T09S R21E 0630 FNL 1765 FWL
	BHL	Sec 27 T09S R21E 0300 FNL 1730 FWL
43-047-40169	NBU 921-26IT	Sec 26 T09S R21E 1964 FSL 0674 FEL
43-047-40176	NBU 922-29NT	Sec 29 T09S R22E 0845 FSL 1627 FWL
43-047-40177	NBU 922-29KT	Sec 29 T09S R22E 1795 FSL 1936 FWL
43-047-40178	NBU 922-31BT	Sec 31 T09S R22E 0888 FNL 2191 FEL

43-047-40179	NBU 922-32ET	Sec 32	T09S R22E 2477	FNL 0094	FWL
43-047-40186	NBU 922-33OT	Sec 33	T09S R22E 0692	FSL 1465	FEL
43-047-40187	NBU 922-33NT	Sec 33	T09S R22E 0890	FSL 2291	FWL
43-047-40188	NBU 922-33IT	Sec 33	T09S R22E 2115	FSL 0579	FEL
43-047-40191	NBU 1022-04GT	Sec 04	T10S R22E 1897	FNL 1861	FEL
43-047-40189	NBU 922-35IT	Sec 35	T09S R22E 2133	FSL 0627	FEL
43-047-40190	NBU 1022-01CT	Sec 01	T10S R22E 0819	FNL 2106	FWL
43-047-40192	NBU 1022-08IT	Sec 08	T10S R22E 1757	FSL 0323	FEL
43-047-40193	NBU 1022-08GT	Sec 08	T10S R22E 2313	FNL 1922	FEL
43-047-40194	NBU 1022-09AT	Sec 09	T10S R22E 0472	FNL 0582	FEL
43-047-40195	NBU 1022-10HT	Sec 10	T10S R22E 1798	FNL 0297	FEL
43-047-40196	NBU 1022-10FT	Sec 10	T10S R22E 2200	FNL 2094	FWL
43-047-40204	NBU 1022-32D1S	Sec 32	T10S R22E 0205	FNL 2058	FWL
	BHL	Sec 32	T10S R22E 0270	FNL 1310	FWL
43-047-40205	NBU 1022-32D4AS	Sec 32	T10S R22E 0198	FNL 2077	FWL
	BHL	Sec 32	T10S R22E 0760	FNL 1180	FWL
43-047-40206	NBU 1022-32B3S	Sec 32	T10S R22E 0185	FNL 2114	FWL
	BHL	Sec 32	T10S R22E 1150	FNL 2130	FEL
43-047-40207	NBU 1022-32D4DS	Sec 32	T10S R22E 0192	FNL 2096	FWL
	BHL	Sec 32	T10S R22E 1240	FNL 1050	FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
 Division of Oil Gas and Mining
 Central Files
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:7-15-08

From: Jim Davis
To: Bonner, Ed; Mason, Diana; Raleen.White@anadarko.com
Date: 8/7/2008 11:04 AM
Subject: Kerr McGee Approvals

The following wells have been granted approval by the trust lands Administration, including arch and paleo clearance.

4304740169	NBU 921-26IT	Kerr-McGee Oil & Gas	Natural Buttes	NESE	26	090S	210E
4304740170	NBU 921-27KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	27	090S	210E
4304740171	NBU 921-27MT	Kerr-McGee Oil & Gas	Natural Buttes	SWSW	27	090S	210E
4304740172	NBU 921-27OT	Kerr-McGee Oil & Gas	Natural Buttes	SWSE	27	090S	210E
4304740173	NBU 921-27HT	Kerr-McGee Oil & Gas	Natural Buttes	SENE	27	090S	210E
4304740174	NBU 921-27LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	27	090S	210E
4304740176	NBU 922-29NT	Kerr-McGee Oil & Gas	Natural Buttes	SESW	29	090S	220E
4304740177	NBU 922-29KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	29	090S	220E
4304740178	NBU 922-31BT	Kerr-McGee Oil & Gas	Natural Buttes	NWNE	31	090S	220E
4304740179	NBU 922-32ET	Kerr-McGee Oil & Gas	Natural Buttes	SWNW	32	090S	220E
4304740114	NBU 921-35AT	Kerr-McGee Oil & Gas	Natural Buttes	NENE	35	090S	210E
4304740146	NBU 922-29LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	29	090S	220E

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

September 2, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 921-26IT Well, 1964' FSL, 674' FEL, NE SE, Sec. 26, T. 9 South, R. 21 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40169.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 921-26IT
API Number: 43-047-40169
Lease: ST ML 22934

Location: NE SE Sec. 26 T. 9 South R. 21 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
7. Surface casing shall be cemented to the surface.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 921-26IT

Api No: 43-047-40169 Lease Type: STATE

Section 26 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 11/04/08

Time 10:30 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 11/04/08 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078

Operator Account Number: N 2995

Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304740169	NBU 921-26IT	NESE	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
B	99999	2900	11/4/2008	11/10/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVB</u> SPUD WELL LOCATION ON 11/4/2008 AT 1030 HRS.						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739756	BITTER CREEK 1122-4I	NESE	4	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	17187	11/4/2008	11/10/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVB</u> SPUD WELL LOCATION ON 11/4/2008 AT 0700 HRS.						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739791	NBU 922-18K2	NESW	18	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
B	99999	2900	11/3/2008	11/10/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVB</u> SPUD WELL LOCATION ON 11/3/2008 AT 1100 HRS.						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Sheila Upchego WR

Signature

REGULATORY ANALYST

11/5/2008

Title

Date

(5/2000)

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL	OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: ST ML 22934
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024	7. UNIT or CA AGREEMENT NAME: 891008900
4. LOCATION OF WELL		8. WELL NAME and NUMBER: NBU 921-261T
		9. API NUMBER: 4304740169
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES UNIT

FOOTAGES AT SURFACE: 1964' FSL, 674' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 26 9S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 11/4/2008 AT 1030 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE 	DATE 11/5/2008

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NOV 12 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22934
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1964'FSL, 674'FEL		8. WELL NAME and NUMBER: NBU 921-26IT
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 26 9S, 21E		9. API NUMBER: 4304740169
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SET SURFACE CSG
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON 11/28/2008. DRILLED 12 1/4" SURFACE HOLE TO 2490'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/220 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM LITE II @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 25 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 12/4/2008

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22934
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
PHONE NUMBER: (435) 781-7024		8. WELL NAME and NUMBER: NBU 921-26IT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1964'FSL, 674'FEL		9. API NUMBER: 4304740169
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 26 9S, 21E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH


11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2490' TO 9712' ON 02/02/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/400 SX PREM LITE II @11.3 PPG 3.02 YIELD. TAILED CMT W/1150 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. FLOATS HELD LOST RETURNS WITH 20 BBLS LEFT IN DISPLACEMENT 2900 PSI TO BUMP PLUG NO CMT TO PIT SET PACK OFF UNLOCK STACK NIPPLE DOWN BOPE CLEAN TANKS.

RELEASED PIONEER RIG 69 ON 02/04/2009 AT 1200 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE 	DATE 2/5/2009

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FEB 09 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-22934

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 921-26IT

9. API NUMBER:
4304740169

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1964'FSL, 674'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 26 9S, 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: PRODUCTION START-UP
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/28/2009 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 3/2/2009

(This space for State use only)

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MAR 04 2009

DIV. OF OIL, GAS & MINING

ROCKIES

Operation Summary Report

Well: NBU 921-26IT			Spud Conductor: 11/4/2008				Spud Date: 11/28/2008		
Project: UTAH			Site: UINTAH				Rig Name No: PIONEER 69/69, PROPETRO/		
Event: DRILLING			Start Date: 11/28/2008				End Date: 2/4/2009		
Active Datum: RKB @5,024.00ft (above Mean Sea Level)			UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation	
11/28/2008	7:30 - 12:00	4.50	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0730 HR 11/28/08 DA 510'	
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1200'	
11/29/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1470'	
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1680'	
11/30/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1980'	
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2350'	
12/1/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG T/D @ 2490' CONDITION HOLE 1 HR RUN SURVEY .75 DEG.	
	12:00 - 15:00	3.00	DRLSUR	05		P		TRIP DP OUT OF HOLE	
	15:00 - 18:00	3.00	DRLSUR	11		P		RUN 2439' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG	
	18:00 - 19:00	1.00	DRLSUR	15		P		CEMENT 1ST STAGE WITH 220 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRU OUT JOB + - 25 BBL LEAD LEAD CMT TO PIT	
	19:00 - 19:30	0.50	DRLSUR	15		P		1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC	
	19:30 - 21:00	1.50	DRLSUR	15		P		2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE	
	21:00 - 21:00	0.00	DRLSUR						
1/20/2009	14:00 - 0:00	10.00	MIRU	01	E	P		RDRT PREPARE F/ MOVE TO NBU 921-26IT THIS A.M W/ L&S TRUCKING	
1/21/2009	0:00 - 7:30	7.50	MIRU	01	E	P		RDRT	
	7:30 - 12:30	5.00	MIRU	01	A	P		SAFETY MEETING W/L&S,J&C CRANE,RIG CREWS,, LOAD OUT TRUCKS & MOVE TO NBU 921-26IT	
	12:30 - 19:00	6.50	MIRU	01	B	P		SET IN RIG & RURT,(L&S TRUCKS STUCK ON HILL W/ MUD PUMP F/ 2 HRS,WAS UNABLE TO SET MUD BOAT BECAUSE OF SAME,11 TRUCKS,1 CRANE,2 FORK LIFTS,4 EXTRA RIG HANDS ,TRUCKS RELEASED @ 17:30	
	19:00 - 0:00	5.00	MIRU	01	B	P		TEAR DOWN FUEL SYSTEM (ICED UP) RERUN FUEL LINES F/ GENERATORS,100% MOVED ,30% RIGGED UP	
1/22/2009	0:00 - 18:00	18.00	MIRU	01	B	P		RURT,R/U WATER SYSTEM & CIRCULATING,R/U FLOOR,(CLEAN OUT DIESEL TANK & REFILL W/ NEW DIESEL),R/U PITS & CIRCULATING,PASON LINES,P/U KELLY	
	18:00 - 23:00	5.00	DRLPRO	13	A	P		NIPPLE UP BOP ,FUNCTION TEST ACCUMULATORS	
	23:00 - 0:00	1.00	DRLPRO	13	C	P		SAFETY MEETING W/ B&C QUICK TEST,R/U & START BOP TEST	
1/23/2009	0:00 - 3:00	3.00	PRPSPD	13	C	P		TEST BOP TO 5000 PSI,ANNULAR TO 2500 PSI,CASING TO 1500 PSI	
	3:00 - 5:00	2.00	PRPSPD	05	A	P		SET BHA ON RACKS ,STRAP BHA	
	5:00 - 7:00	2.00	PRPSPD	05	A	P		SAFETY MEETING W/ TESCO & R/U TRUCK F/PICKUP BHA ,INSTALL WEAR RING	
	7:00 - 10:30	3.50	PRPSPD	07	A	Z		RIG REPAIR TROUBLE SHOOT ELECTRICAL TO ROTARY TABLE	
	10:30 - 15:30	5.00	PRPSPD	05	A	P		P/U DRILLSTRING ,R/D TESCO	
	15:30 - 19:00	3.50	PRPSPD	05	A	P		PRESPUD RIG INSPECTION ,INSTALL ROTATING RUBBER & DRIVE BUSHINGS ,PRIME YELLOW DOG,PREP RIG F/ SPUD	

ROCKIES

Operation Summary Report

Well: NBU 921-26IT

Spud Conductor: 11/4/2008

Spud Date: 11/28/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 11/28/2008

End Date: 2/4/2009

Active Datum: RKB @5,024.00ft (above Mean Sea Level)

UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
1/24/2009	19:00 - 21:30	2.50	PRSPD	02	F	P		DRLG CEMENT & F.E.
	21:30 - 23:30	2.00	PRSPD	02	B	P		SPUD @ 21:30 1/23/ 2009 , DRLG F/ 2508' TO 2623' (115' 57.5' HR) WATER
	23:30 - 0:00	0.50	PRSPD	09	C	P		SURVEY @ 2539' ,1.3 DEG,173.7 AZMUTH
	0:00 - 7:00	7.00	DRLPRO	02	B	P		DRLG F/ 2623' TO 3097' (474' 67.7' HR) WATER
	7:00 - 8:00	1.00	DRLPRO	09	B	P		SURVEY @ 3003' 1.5 DEG 160.9 AZMUTH
	8:00 - 12:30	4.50	DRLPRO	02	B	P		DRLG F/ 3097' TO 3350' (253' 56.2' HR) WATER
	12:30 - 13:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	13:00 - 14:00	1.00	DRLPRO	09	B	P		SURVEY @ 3269' 1.2 DEG 184.2 AZMUTH
	14:00 - 15:00	1.00	DRLPRO	04	A	S		DUMP TRONA WATER REFILL PITS START MUD UP
	15:00 - 21:00	6.00	DRLPRO	02	B	P		DRLG F/ 3350' TO 3603' (253' 42.1' HR) WT 8.7/39
1/25/2009	21:00 - 21:30	0.50	DRLPRO	09	B	P		SURVEY @ 3519' 1.3 DEG 170.5 AZMUTH
	21:30 - 22:00	0.50	DRLPRO	04	C	P		CIRC & MIX PILL
	22:00 - 0:00	2.00	DRLPRO	05	A	P		PUMP PILL, TOO H W/ BIT #1
	0:00 - 2:00	2.00	DRLPRO	05	A	P		FINISH TOO H L/D IBS & MOTOR
	2:00 - 4:30	2.50	DRLPRO	12	F	P		WAIT ON DIR TOOLS
	4:30 - 8:30	4.00	DRLPRO	05	A	P		P/U RR BIT #1AND DIR TOOLS ORIENTATE MWD
	8:30 - 10:00	1.50	DRLPRO	05	A	P		TIH W/ BHA ,INSTALL ROTATING RUBBER
	10:00 - 10:30	0.50	DRLPRO	04	A	P		CIRC & RAISE MUD WEIGHT TO 9.2 ,20' FLARE
	10:30 - 12:00	1.50	DRLPRO	05	A	P		FINISH TIH
	12:00 - 0:00	12.00	DRLPRO	02	B	P		DRLG & SURVEY F/ 2603' TO 4205' (602' 50.2' HR) WT 9.5/39 ,(SLIDE 3610'-3622', 3687'-3698', 3877'-3889', 4003'-4015')
1/26/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG (ROT)& SURVEY F/ 4205' TO 5111' (906' 64.7' HR) WT 9.6/39
	14:00 - 14:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG (ROT) & SURVEY F/ 5111' TO 5617' (506' 53.2' HR) WT 9.8/40,3% LCM
1/27/2009	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRLG F/ 5617' TO 5902' (285' 47.5' HR) WT 9.8/41,8% LCM
	6:00 - 6:30	0.50	DRLPRO	02	B	P		DRLG (SLIDE) F/ 5902' TO 5913'
	6:30 - 16:00	9.50	DRLPRO	02	B	P		DRLG F/ 5913' TO 6345' (432' 45.4' HR) WT 10.1/36 ,10% LCM
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 21:00	4.50	DRLPRO	02	B	P		DRLG F/ 6345' TO 6503' (158' 35.1' HR) WT 10.3/42 ,8% LCM
	21:00 - 22:00	1.00	DRLPRO	02	B	P		DRLG (SLIDE) F/ 6503' TO 5416'
	22:00 - 0:00	2.00	DRLPRO	02	B	P		DRLG F/ 6516' TO 6598' (82' 41' HR) WT 10.4/43,8%LCM
1/28/2009	0:00 - 9:00	9.00	DRLPRO	02	B	P		DRLG F/ 6598' TO 6882' (284' 31.5' HR) WT 10.5/41,8% LCM
	9:00 - 10:00	1.00	DRLPRO	02	B	P		DRLG (SLIDE F/ 6882' TO 6894')
	10:00 - 11:30	1.50	DRLPRO	02	B	P		DRLG F/ 6894' TO 6946' (52'34.6' HR) WT 10.5/40,8% LCM
	11:30 - 12:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	12:00 - 18:00	6.00	DRLPRO	05	A	P		PUMP PILL TOO H L/D DIRECTIONAL TOOLS
	18:00 - 19:00	1.00	DRLPRO	05	A	P		P/U BIT #2 & MOTOR TIH TO SHOE
	19:00 - 20:00	1.00	DRLPRO	06	D	P		SLIP & CUT 67' DRLG LINE
	20:00 - 22:00	2.00	DRLPRO	05	A	P		FINISH TIH
	22:00 - 22:30	0.50	DRLPRO	03	D	P		WASH 90' TO BOTTOM 20' FILL
	22:30 - 0:00	1.50	DRLPRO	02	B	P		DRLG F/ 6946' TO 6983' (37' 24.6' HR) WT 10.8/40,4% LCM

ROCKIES

Operation Summary Report

Well: NBU 921-26IT		Spud Conductor: 11/4/2008		Spud Date: 11/28/2008	
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 11/28/2008		End Date: 2/4/2009	
Active Datum: RKB @5,024.00ft (above Mean Sea Level)		UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/29/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 6983' TO 7489' (506' 33.7' HR) WT 10.7/41,LCM 3%
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:30 - 20:30	5.00	DRLPRO	02	B	P		DRLG F/ 7489' TO 7643' (154' 30.8' HR) WT 10.9/41
	20:30 - 21:00	0.50	DRLPRO	07	B	P		CHANGE VALVES IN #1 PUMP & VALVE & SEAT #2 PUMP
	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRLG F/ 7643' TO 7730' (87' 29' HR) WT 10.8/41
1/30/2009	0:00 - 10:00	10.00	DRLPRO	02	B	P		DRLG F/ 7730' TO 7995' =265'=26.5 FPH,MW 10.9#,VIS 42,120 SPM,SPP 2250-2450,GPM 454,RPM 45-60 ,MOTOR RPM 73,TORQUE N/A,ST WT UP/DN/ROT 173-160-169, WOB 20-28,DIFF 80-350 ,(BIT BALLING)
	10:00 - 11:00	1.00	DRLPRO	09	A	P		CIRC & SURVEY @ 7920' 1.52 DEG.
	11:00 - 16:00	5.00	DRLPRO	02	B	P		DRLG F/ 7995' TO 8154'=159=31.8 FPH,MW 11.1,VIS42,120 SPM,SPP 2250,GPM 454,RPM 50-60,MOTOR RPM 73,TORQUE N/A,ST WT UP/DN/ROT 175-160-170,WOB 20-27,DIFF 200-350 ,(BIT BALLING)
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 8154' TO 8360'=206'=27.4 FPH,MW 11.4,VIS 42,120 SPM,SPP2500,GPM 454,RPM 55-63,MOTOR RPM 73,TORQUE N/A,ST WT UP/DN/ROT 176-170-172,WOB20-25,DIFF 180-350,(BIT BALLING)
1/31/2009	0:00 - 7:30	7.50	DRLPRO	02	B	P		DRLG F/ 8360' TO 8565'=205'=27.3 FPH,MW 11.6,VIS 42,120 SPM,SPP 2500,GPM 454,RPM 55-60,MOTOR RPM 73,TORQUE N/A,ST WT UP/DN/ROT 176-170-172,WOB 24-28,DIFF 180-280
	7:30 - 8:00	0.50	DRLPRO	04	C	P		CIRC,BUILD & PUMP PILL
	8:00 - 13:00	5.00	DRLPRO	05	A	P		TOOH W/ BIT #2 L/D BIT & MOTOR, (NO PROBLEMS)
	13:00 - 17:30	4.50	DRLPRO	05	A	P		P/U BIT #3 & NEW MOTOR TIH (FILLED PIPE @ SHOE) NO PROBLEMS
	17:30 - 18:00	0.50	DRLPRO	03	D	P		WASH 70' TO BOTTOM 5' FILL
2/1/2009	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRLG F/ 8565' TO 8813'=248'=41.3 FPH,MW 11.7/42 2% LCM, WOB 15,RPM 60,MOTOR RPM 73,TORQUE N/A,SPM 120,SPP 2700,,PU/DN/ROT 180-172-175,DIFF 180-340,
	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG F/ 8813' TO 9423'=610'=38.1 FPH,MW 11.8,VIS 43 2% LCM,SPM 120,GPM 454,SPP 2600,RPM 55,MOTOR RPM 73,TORQUE N/A,ST WT UP/DN/ROT 191-181-184,DIFF 180-320
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 9423' TO 9634'=211'=28.1 FPH,MW 11.8,VIS 46 2% LCM,SPM 115,SPP 2700,GPM 435,RPM 55,TORQUE N/A,ST WT UP/DN/ROT 192-180-185,WOB 20-25,DIFF 180-270
	0:00 - 5:00	5.00	DRLPRO	02	B	P		DRLG F/ 9634' TO 9712' TD @ 05:00,2/2/2009 =78',15.6 FPH,MW 11.8,VIS 47,SPM115,SPP 2700,GPM 435,RPM 55,MOTOR RPM 70,TORQUE N/A,ST WT UP/DN/ROT 192/180/185,WOB 22,DIFF 180-270
2/2/2009	5:00 - 6:00	1.00	DRLPRO	04	C	P		CIRC F/ SHORT TRIP,PUMP PILL
	6:00 - 7:00	1.00	DRLPRO	05	E	P		SHORT TRIP TO 8400', NO PROBLEMS
	7:00 - 10:00	3.00	DRLPRO	04	C	P		CIRC F/ LOGS,PUMP PILL
	10:00 - 14:30	4.50	DRLPRO	05	A	P		TOOH F/ LOGS
	14:30 - 15:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:00 - 17:30	2.50	DRLPRO	10	C	P		WAIT ON LOGGERS

ROCKIES

Operation Summary Report

Well: NBU 921-26IT

Spud Conductor: 11/4/2008

Spud Date: 11/28/2008

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 11/28/2008

End Date: 2/4/2009

Active Datum: RKB @5,024.00ft (above Mean Sea Level)

UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	17:30 - 0:00	6.50	DRLPRO	10	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO TO 7910' (LOGGERS HAD TOOL FAILURE ON FIRST RUN)
2/3/2009	0:00 - 1:00	1.00	DRLPRO	10	C	P		FINISH TRIPLE COMBO LOGS,R/D LOGGERS
	1:00 - 7:00	6.00	DRLPRO	05	E	P		TIH F/ LDDP FILL AT SHOE
	7:00 - 9:30	2.50	DRLPRO	04	C	P		CIRC & COND F/LDDP (HELD SAFETY MTNG W/ LAY DOWN CREW AND RIG CREW RIG UP SAME)
	9:30 - 17:30	8.00	DRLPRO	05	D	P		L.D.D.P BREAK KELLY AND VALVES , L / D BHA, PULL WAER BUSHING
	17:30 - 18:30	1.00	DRLPRO	11	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW RIG UP SAME
	18:30 - 0:00	5.50	DRLPRO	11	B	P		RUN 4 1/2 PROD CSNG
2/4/2009	0:00 - 1:00	1.00	DRLPRO	11	B	P		FINISHED RUNNING CSNG 229 JOINTS
	1:00 - 2:00	1.00	DRLPRO	04	A	P		CIRC F/ CMNT RIG DWN CASERS
	2:00 - 3:00	1.00	DRLPRO	11	B	P		LAND CSNG
	3:00 - 7:00	4.00	DRLPRO	15	A	P		CMNT 41/2 - 20 SX MUD CLEAN, LEAD CMNT = 400 SX PL2+10%GEL+3%KCL+5#KOL+0.5%SMS+0.25#CF - 11.3# 3.02 YLD, TAIL CMNT = 1150 SX 50/50 POS +10%NaCL+0.2%R-3+0.05#SF+0.002FP-6L - 14.3# 1.31 YLD FLOATS HELD, LOST RETURNS WITH 20 BBLS LEFT IN DISP, 2900 PSI TO BUMP PLUG NO CMNT TO PIT
	7:00 - 9:00	2.00	DRLPRO	11	B	P		SET PACK OFF UNLOCK STACK
	9:00 - 12:00	3.00	DRLPRO	13	A	P		NIPPLE DOWN BOPE, CLEAN MUD TANKS RELEASE RIG AT 12:00 2-4-09

ROCKIES

Operation Summary Report

Well: NBU 921-26IT			Spud Conductor: 11/4/2008			Spud Date: 11/28/2008		
Project: UTAH			Site: UINTAH			Rig Name No: MILES 2/2		
Event: COMPLETION			Start Date: 2/23/2009			End Date: 2/26/2009		
Active Datum: RKB @5,024.00ft (above Mean Sea Level)			UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
2/23/2009	7:00 - 17:00	10.00	COMP	31	I	P		7:00 A.M. HSM MIRU. NDWH. NUBOPE. PREP & TALLY 307 JTS 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. TAG CMT @ 9649'. R/U DRL EQUIP. C/O TO PBTD @ 9700'. CIRC WELL CLEAN. R/D DRL EQUIP. POOH L/D 17 JTS TBG. EOT @ 9159'. SWI. SDFN
2/24/2009	7:00 - 17:00	10.00	COMP	36	B	P		7:00 A.M. HSM CONT TO POOH W/ TBG F/ 9159'. L/D BHA, NDBOPE, NU FRAC VLV'S. MIRU WEATHERFORD. FILL CSG & PSI TST CSG & FRAC VLV'S TO 7500# HELD. MIRU CUTTERS W.L. SVC. P/U 3 3/8" PERF GUNS & RIH. SHOOT STG 1 PERF'S W/ 8 HOLES F/ 9673' - 75', P/U SHOOT 8 HOLES F/ 9640' - 42', P/U SHOOT 6 HOLES F/ 9571' - 73', P/U SHOOT 12 HOLES F/ 9520' - 24', P/U SHOOT 6 HOLES F/ 9474' - 76'. POOH. NOTE: ALL PERF'S SHOT W/ 3 3/8" EXPENDABLE PERF GUNS, LOADED W/ 23 GM CHARGES, 2,3 & 4 SPF, 90,120 & 180 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL TANKS WERE TREATED W/ 10 GALS NALCO BIOCID. ALL CLEAN FLUID TREATED W/ NALCO DVE-005 SCALE INHIB, 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD. STG 1: BRK DWN PERF'S @ 3937#, EST INJ RT @ 51.1 BPM @ 5950#, ISIP 2605#, FG .71, TREAT STG 1 W/ 70,503# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 2009 BBLS. ISIP 3020#, NPI 415#, FG .75 STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9280', P/U SHOOT 12 HOLES F/ 9246' - 50', P/U SHOOT 8 HOLES F/ 9120' - 22', P/U SHOOT 6 HOLES F/ 9082' - 84', P/U SHOOT 12 HOLES F/ 9048' - 52'. POOH. BRK DWN PERF'S @ 2998#, EST INJ RT @ 51.4 BPM @ 5450#, ISIP 2578#, FG .72, TREAT STG 2 W/ 58,104#, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1491 BBLS. ISIP 3139#, NPI 561#, FG .78 STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8966', P/U SHOOT 12 HOLES F/ 8932' - 36', P/U SHOOT 24 HOLES 8876' - 84', P/U SHOOT 6 HOLES F/ 8830' - 32'. POOH, BRK DWN PERF'S @ 3491#, EST INJ RT @ 51.5 BPM @ 4850#, ISIP 2307#, FG .70, TREAT STG 3 W/ 70744# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1923 BBLS. ISIP 2712#, NPI 405#, FG .74 SWI. SDFN
2/25/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING

ROCKIES

Operation Summary Report

Well: NBU 921-26IT

Spud Conductor: 11/4/2008

Spud Date: 11/28/2008

Project: UTAH

Site: UINTAH

Rig Name No: MILES 2/2

Event: COMPLETION

Start Date: 2/23/2009

End Date: 2/26/2009

Active Datum: RKB @5,024.00ft (above Mean Sea Level)

UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:30 - 8:30	1.00	COMP	36	B	P		STG 4) PU 4 1/2" CBP & 3 1/8" EXP GNS 23 GRM, .36 HOLES. 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,796' & PERF 8,764' - 66' 3 SPF, 8,688' - 90' 3SPF, 8,622' - 26' 4SPF, 8,562' - 66' 3SPF, 40 HOLES. WHP 1,480 PSI, BRK 3,479 PSI @ 4.8 BPM, ISIP 2,057 PSI, FG .68. PUMP 100 BBLS @ 51.4 BPM @ 4,700 PSI = 94% HOLES OPEN. MP 4,878 PSI, MR 51.6 BPM, AP 4,339 PSI, AR 49.8 BPM, ISIP 2,712 PSI, FG .75, NPI 655 PSI. PMPD 1,846 BBLS SW & 63,367 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP PMPD 68,367 LBS.
	8:30 - 10:15	1.75	COMP	36	B	P		STG 5) PU 4 1/2" CBP & 3 1/8" EXP GNS 23 GRM, .36 HOLES. 90, 120 & 180 DEG PHASING. RIH SET 8K CBP @ 8,530' & PERF 8,490' - 94' 4SPF, 8,428' - 30' 4SPF, 8,394' - 96' 3SPF, 8,318' - 22' 2SPF, 38 HOLES. WHP 0 PSI, BRK 2,993 PSI @ 4.9 BPM, ISIP 2,427 PSI, FG .73. PUMP 100 BBLS @ 51.3 BPM @ 5,000 PSI = 74% HOLES OPEN. MP 5,649 PSI, MR 52.1 BPM, AP 4,825 PSI, AR 51.7 BPM, ISIP 2,871 PSI, FG .78, NPI 444 PSI. PMPD 2,143 BBLS SW & 73,736 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP PUMPED 79,736 LBS.
	10:15 - 12:05	1.83	COMP	36	B	P		STG 6) PU 4 1/2" CBP & 3 1/8" EXP GNS 23 GRM, .36 HOLES. 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,273' & PERF 8,241' - 43' 4SPF, 8,200' - 02' 3SPF, 8,186' - 88' 4SPF, 8,070' - 72' 3SPF, 8,008' - 12' 3SPF, 40 HOLES. WHP 400 PSI, BRK 2,630 PSI @ 4.9 BPM, ISIP 2,130 PSI, FG .70. PUMP 100 BBLS @ 51 BPM @ 4,900 PSI = 82% HOLES OPEN. MP 5,253 PSI, MR 51.9 BPM, AP 4,244 PSI, AR 51.7 BPM, ISIP 2,690 PSI, FG .77, NPI 560 PSI. PMPD 2,212 BBLS SW & 78,056 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP PUMPED 83,056 LBS.
	12:05 - 13:35	1.50	COMP	36	B	P		STG 7) PU 4 1/2" CBP & 3 1/8" EXP GNS 23 GRM, .36 HOLES. 90 & 120 DEG PHASING. RIH SET 8K CBP @ 7,838' & PERF 7,806' - 08' 4SPF, 7,747' - 50' 3SPF, 7,706' - 12' 3SPF, 7,671' - 73' 3SPF, 41 HOLES. WHP 140 PSI, BRK 2,421 PSI @ 2.6 BPM, ISIP 1,763 PSI, FG .67. PUMP 100 BBLS @ 51.4 BPM @ 4,200 PSI = 100% HOLES OPEN. MP 4,440 PSI, MR 53.6 BPM, AP 3,785 PSI, AR 51.7 BPM, ISIP 2,314 PSI, FG .74, NPI 551 PSI. PMPD 1,436 BBLS SW & 47,763 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP PUMPED 52,763 LBS.

ROCKIES

Operation Summary Report

Well: NBU 921-26IT

Spud Conductor: 11/4/2008

Spud Date: 11/28/2008

Project: UTAH

Site: UINTAH

Rig Name No: MILES 2/2

Event: COMPLETION

Start Date: 2/23/2009

End Date: 2/26/2009

Active Datum: RKB @5,024.00ft (above Mean Sea Level)

UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	13:35 - 15:23	1.80	COMP	36	B	P		STG 8) PU 4 1/2" CBP & 3 1/8" EXP GNS 23 GRM, .36 HOLES. 90 & 180 DEG PHASING. RIH SET 8K CBP @ 7,642' & PERF 7,608' - 12' 2SPF, 7,556' - 64' 4SPF, 40 HOLES. WHP 0 PSI, BRK 2,637 PSI @ 4.7 BPM, ISIP 2,035 PSI, FG .70. PUMP 100 BBLS @ 51.6 BPM @ 4,300 PSI = 100% HOLES OPEN. MP 7,462 PSI, MR 51.9 BPM, AP 4,245 PSI, AR 51.7 BPM, ISIP 2,815 PSI, FG .79, NPI 780 PSI. PMPD 2,133 BBLS SW & 75,741 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP PUMPED 80,741 LBS. SCREENED OUT W/ 30 BBLS OF FLUSH TO GO. 2,500 LBS RESIN IN FORMATION. KILL PLG PU 4 1/2" 8K CBP & RIH SET PLG @ 6,000'. RDMO WEATHERFORD & CUTTERS. ND FRAC VALVES NU BOP. SWI SDFN.
	15:23 - 17:30	2.12	COMP	34	I	P		HSM. DRILLING CBP
2/26/2009	7:00 - 7:30	0.50	COMP	48		P		PU 3 7/8" BIT SUB & SN, & RIH W/ 95 STAND. RU POWER SWIVEL & BRK CIRC W/ TREATED WATER. RIH C/O 0' OF SAND TAG PLG 1 @ 6,000' DRL PLG IN 10 MIN 200 PSI INCREASE. HAD 6 JTS OF SAND TO CIRC OUT PRESSURE INCREASED TO 800 PSI. RIH C/O 15' OF SAND TAG PLG 2 @ 7,642' DRL PLG IN 10 MIN 600 PSI INCREASE RIH C/O 20' OF SAND TAG PLG 3 @ 7,838' DRL PLG IN 10 MIN 400 PSI INCREASE. RIH C/O 40' OF SAND TAG PLG 4 @ 8,280' DRL PLG IN 10 MIN 500 PSI INCREASE. RIH C/O 40' OF SAND TAG PLG 5 @ 8,530' DRL PLG IN 10 MIN 300 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 6 @ 8,280' DRL PLG IN 10 MIN 300 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 7 @ 8,966' DRL PLG IN 10 MIN 300 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 8 @ 8,280' DRL PLG IN 10 MIN 200 PSI INCREASE. RIH C/O 30' OF SAND TO PBTD OF 9,705'. CIRC WELL CLEAN. POOH LD 22 JTS LAND TBG W/ 285 JTS OF 2 3/8" L-80 TBG. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,000 PSI. TURN WELL OVER TO FLOW BACK CREW.
	7:30 - 17:30	10.00	COMP	44	C	P		315 JTS OF 2 3/8" L80 OUTBOUND 285 JTS OF 2 3/8" L80 LANDED 30 JTS OF 2 3/8" L80 RETURNED 7 AM FLBK REPORT: CP 1950#, TP 2300#, 20/64" CK, 42 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 4526 BBLS LEFT TO RECOVER: 10667
2/27/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2000#, TP 2450#, 20/64" CK, 42 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 5534 TTL BBLS LEFT TO RECOVER: 9659
2/28/2009	7:00 -			33	A			

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Spud Conductor: 11/4/2008

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Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	10:00 -		PROD					
3/1/2009	7:00 -			33	A			WELL TURNED TO SALES @ 1000 HR ON 02/28/2009 – FTP 2450#, CP 2000#, CK 16/64", 1700 MCFD, 1008 BWPD 7 AM FLBK REPORT: CP 2650#, TP 2750#, 16/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6301 TTL BBLS LEFT TO RECOVER: 8892
3/2/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3500#, TP 2850#, 14/64" CK, 21 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6917 TTL BBLS LEFT TO RECOVER: 8276

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
ST ML-22934

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR:
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:
1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:
(435) 781-7024

7. UNIT OR CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME AND NUMBER:
NBU 921-261T

9. API NUMBER:
4304740169

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1964'FSL, 674'FEL

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
NESE 26 9S, 21E

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPULDED:
11/4/2008

15. DATE T.D. REACHED:
2/2/2009

16. DATE COMPLETED:
2/28/2009

ABANDONED ☐

READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
5006'GL

18. TOTAL DEPTH: MD 9,712
TVD

19. PLUG BACK T.D.: MD 9,705
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL-CCL-GR

Comp 2, en, HDI, cal

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,490		645			
7 7/8"	4 1/2 I-80	11.6#		9,712		1550			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	9,022							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,556	9,675			7,556 9,675	0.36	319	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WSMVD								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7556'-9675'	PMP 15,193 BBLS SLICK H2O & 564,014# 30/50 OTTOWA SD

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

☐ GEOLOGIC REPORT
☐ CORE ANALYSIS

☐ DST REPORT
☐ OTHER:

☐ DIRECTIONAL SURVEY

30. WELL STATUS:

PROD

RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/28/2009	TEST DATE: 3/7/2009	HOURS TESTED: 12	TEST PRODUCTION RATES: →	OIL – BBL: 12	GAS – MCF: 2,551	WATER – BBL: 260	PROD. METHOD: FLOWING
CHOKE SIZE: 16/64	TBG. PRESS. 341	CSG. PRESS. 3,226	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,529				
BIRDS NEST	1,818				
MAHOGANY	2,305				
WASATCH	4,784	7,517			
MESAVERDE	7,546	9,700			

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 4/15/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ST ML 22934
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-26IT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1964 FSL 0674 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 26 Township: 09.0S Range: 21.0E Meridian: S		9. API NUMBER: 43047401690000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/11/2010	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THE OPERATOR HAS CONCLUDED THE TEMPORARY ABANDONMENT OPERATIONS ON THE SUBJECT WELL LOCATION ON 6/11/2010. THE OPERATOR HAS TA'D THE WELL IN ORDER TO DRILL THE NBU 921-26I PAD, WHICH CONSISTS OF THE NBU 921-26I2CS, NBU 921-26P2DS, NBU 921-26H3DS, AND NBU 921-26I1DS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHRONOLOGICAL WELL HISTORY.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 15, 2010 </div>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/14/2010	

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-26IT			Spud Conductor: 11/4/2008			Spud Date: 11/28/2008		
Project: UTAH-UINTAH			Site: NBU 921-26IT				Rig Name No: MILES 2/2	
Event: ABANDONMENT			Start Date: 6/10/2010				End Date: 6/11/2010	
Active Datum: RKB @5,024.00ft (above Mean Sea Leve			UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/10/2010	7:00 - 7:30	0.50	ABAND	48		P		MIRU
	7:30 - 18:00	10.50	ABAND	31		P		MIRU, 650# CSG, TBG 300#, BLOW DWN WELL, KILL WELL WITH 20 BBLS DWN TBG, 20 BBLS DWN CSG, TMAC, NDWH, NU BOP'S, UNLAND TBG, RU PRS SCAN TBG OOH. 285 JTS J-55 TBG, 176 YB, 65 JTS BB, 44 JTS RB. RD PRS, SWIFN
6/11/2010	7:00 - 7:30	0.50	ABAND	48		P		SETTING CBP
	7:30 - 7:30	0.00	ABAND	51		P		000# CSG, KILL WELL WIT 00 BBLS TMAC, RU CUTTERS, RIH GAUGE RING TO 7530', POOH, PU CBP, RIH TO 7500', SET CBP, POOH, PU BAILER, BAIL 4 SX CEMENT ON CBP, POOH, RD CUTTERS, RIH WITH 154 JTS + 2 PUP JTS TBG TO 4887.95' RU PRO PETRO, CEMENT PUMPED IS CLASS G, YIELD 1.145, DENISTY 15.8#, 4.9 GW/SX PUMP20 SX, 4 BBLS, 23 CF, DISPLACE WITH 1 BBL FRESH, 16.9 BBLS TMAC, RD PRO PETRO, POOH LD 154 JTS TBG AND 2 PUP JTS, CALLED FMC TO CAP WELL. RDMO TO 922-29D PAD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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PHONE NUMBER: 720 929-6515 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/5/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This previously Temporarily Abandoned well has returned to production. This well returned to production on 04/05/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/25/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 921-26IT
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5. FIELD and POOL or WILDCAT: NATURAL BUTTES		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/13/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests authorization to recomplete the subject well. The operator requests approval to recomplete the Wasatch formation and commingle with the Mesaverde formation. Please see the attached procedure. Thank you.		
NAME (PLEASE PRINT) Lindsey Frazier		PHONE NUMBER 720 929-6857
SIGNATURE N/A		TITLE Regulatory Analyst II
DATE 3/13/2013		APPROVED BY: <div style="text-align: center;"> Approved by the Utah Division of Oil, Gas and Mining </div> Date: March 13, 2013 By:



Greater Natural Buttes Unit

**NBU 921-26IT
RE-COMPLETIONS PROCEDURE
NBU 921-26I PAD
FIELD ID: N/A**

**DATE: 3/11/13
AFE#:
API#: 4304740169
USER ID: VYI537 (Frac Invoices Only)**

**COMPLETIONS ENGINEER: Paul Ryza , Denver, CO
(720) 929-6348 (Office)
(936) 499-6895 (Cell)**

REMEMBER SAFETY FIRST!

Name: **NBU 921-26IT**
Location: **NE SE Sec 26 T9S R21E**
LAT: 40.005144 **LONG:** -109.511878 **COORDINATE:** NAD83 (*Surface Location*)
Uintah County, UT
Date: **3/11/13**

ELEVATIONS: 5006' GL 5024' KB *Frac Registry TVD: 9631'*

TOTAL DEPTH: 9635' **PBTD:** 9662'
SURFACE CASING: 9 5/8", 36# J-55 LTC @ 2503'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LTC @ 9707'
 Marker Joint **4748-4765'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl./ft)	(gal./ft)
2 3/8" 4.7# L-80 tbg	11,200	11,780	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
4 1/2" 11.6# P-110	10691	7580	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1555' Green River Top
 1766' Bird's Nest Top
 2311' Mahogany Top
 4784' Wasatch Top
 7542' Mesaverde Top
 *Based on latest geological interpretation

BOTTOMS:

7542' Wasatch Bottom
 9635' Mesaverde Bottom (TD)

T.O.C. @ 684'

**Based on latest interpretation of CBL

GENERAL NOTES:

- **Please note that:**
 - All stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.
 - CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.
- A minimum of **11** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Cutter's CBL log dated **2/11/09**.
- **7** fracturing stages required for coverage.
- Hydraulic isolation estimated at **3272'** based upon Cutter's CBL dated 2/11/09.
- Procedure calls for **8** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- **Pump scale inhibitor at 0.5 gpt. Remember to pre-load the casing with scale inhibitor.**
- **This is a NO Clay stabilizer pilot *** Please Do NOT pump Clay Stabilizer *****

- **This is a Reduced Surfactant pilot *** Please pump surfactant at 0.75 gpt*****
- FR will be pumped at 0.3 gpt for this well. This concentration will be raised or lowered on the job at the discretion of the APC foreman per the well's treating pressure.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200 psi.**
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.
- Max Sand Concentration: Wasatch 2 ppg;
- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)
- **TIGHT SPACING ON STAGE 2 & 3- OVERFLUSH BY 5 BBLS**
- **If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work**

Existing Perforations:

PERFORATIONS						
Formation	Zone	Top	Btm	spf	Shots	Date
MESA VERDE		7556	7564	4	32	02/24/2009
MESA VERDE		7608	7612	2	8	02/24/2009
MESA VERDE		7671	7673	3	6	02/24/2009
MESA VERDE		7706	7712	3	18	02/24/2009
MESA VERDE		7747	7750	3	9	02/24/2009
MESA VERDE		7806	7808	4	8	02/24/2009
MESA VERDE		8008	8012	3	12	02/24/2009
MESA VERDE		8070	8072	3	6	02/24/2009
MESA VERDE		8186	8188	4	8	02/24/2009
MESA VERDE		8200	8202	3	6	02/24/2009
MESA VERDE		8241	8243	4	8	02/24/2009
MESA VERDE		8318	8322	2	8	02/24/2009
MESA VERDE		8394	8396	3	6	02/24/2009
MESA VERDE		8428	8430	4	8	02/24/2009
MESA VERDE		8490	8494	4	16	02/24/2009
MESA VERDE		8562	8566	3	12	02/24/2009
MESA VERDE		8622	8626	4	16	02/24/2009
MESA VERDE		8688	8690	3	6	02/24/2009
MESA VERDE		8764	8766	3	6	02/24/2009
MESA VERDE		8830	8832	3	6	02/24/2009
MESA VERDE		8876	8884	3	24	02/24/2009
MESA VERDE		8932	8936	3	12	02/24/2009
MESA VERDE		9048	9052	3	12	02/24/2009
MESA VERDE		9082	9084	3	6	02/24/2009
MESA VERDE		9120	9122	4	8	02/24/2009
MESA VERDE		9246	9250	3	12	02/24/2009
MESA VERDE		9474	9476	3	6	02/24/2009
MESA VERDE		9520	9524	3	12	02/24/2009
MESA VERDE		9571	9573	3	6	02/24/2009
MESA VERDE		9640	9642	4	8	02/24/2009
MESA VERDE		9673	9675	4	8	02/24/2009

Relevant History:

- 2/24/09: Originally completed in Mesaverde formation (8 stages) with ~ 638,176 gallons of Slickwater, 564,014 lbs of 30/50 Ottawa Sand sand and 40,900 lbs of 20/40 Resin coated sand.
- 6/10/10: TA'd well to drill more wells on the pad.
- 4/1/11: Returned well to production.
- 6/11/12: Last slickline report:
 Ran jdc set down @ 8776 came out with the viper plunger ran g1 tool set down @ 8776 came out with the bypass plunger ran scratcher set down @ 8773 beat down to 8950 came out blew tubing ran scratcher set down @ 8950 beat down nothing came out ran jdc set down @ 8950 beat down came out with the broken piece of a bypass plunger ran magnet set down @ 8950 came out with nothing ran jdc set down @ 8950 beat down came out with nothing ran magnet set down @ 8950 came out nothing my jdc will not latch on the spring there is piece of a broken bypass plunger on top and there was a trace of sand on the plungers left viper plunger and bypass plunger out rig down.
- 3/11/13: Tubing Currently Landed @~8991'

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/MMcf)	Max H2S Seperator (ppm)
2/28/2009	39.11	0.00	0.00	0.00	
3/31/2009	2148.06	147.58	27.58	81.54	0.00
4/30/2009	2053.93	150.00	24.77	85.09	0.00
5/31/2009	1487.00	139.71	11.35	101.59	0.00
6/30/2009	1299.43	73.00	7.27	61.77	0.00
7/31/2009	1170.97	73.00	6.19	67.63	0.00
8/31/2009	1060.19	57.55	5.06	59.06	1.00
9/30/2009	971.43	54.80	3.97	60.49	2.00
10/31/2009	887.74	38.77	3.74	47.89	3.00
11/30/2009	792.13	34.93	3.00	47.89	0.00
12/31/2009	745.65	28.35	3.55	42.79	
1/31/2010	710.77	26.94	3.58	42.93	
2/28/2010	503.00	5.96	1.61	15.05	
3/31/2010	647.39	22.23	3.35	39.51	1.00
4/30/2010	601.27	27.73	2.67	50.56	
5/31/2010	584.55	28.45	2.26	52.54	
6/30/2010	182.07	13.23	1.93	83.30	
7/31/2010	0.00	0.00	0.00	#NA	
8/31/2010	0.00	0.00	0.00	#NA	
9/30/2010	0.00	0.00	0.00	#NA	
10/31/2010	0.00	0.00	0.00	#NA	
11/30/2010	0.00	0.00	0.00	#NA	
12/31/2010	0.00	0.00	0.00	#NA	

1/31/2011	0.00	0.00	0.00	#NA	
2/28/2011	0.00	0.00	0.00	#NA	
3/31/2011	0.00	0.00	0.00	#NA	
4/30/2011	1437.03	0.00	5.97	4.15	
5/31/2011	798.00	44.13	5.87	62.66	
6/30/2011	597.20	42.67	5.57	80.77	9.00
7/31/2011	529.45	44.13	5.00	92.79	
8/31/2011	475.42	43.42	3.68	99.06	
9/30/2011	446.77	44.00	3.30	105.87	
10/31/2011	468.71	43.06	3.58	99.52	
11/30/2011	440.10	44.13	3.87	109.07	
12/31/2011	411.61	43.06	3.35	112.77	
1/31/2012	392.48	44.13	3.26	120.74	
2/29/2012	364.76	43.34	3.59	128.66	
3/31/2012	325.65	44.13	4.61	149.68	
4/30/2012	334.73	44.13	4.50	145.29	19.00
5/31/2012	333.00	44.13	4.87	147.15	13.00
6/30/2012	300.37	43.63	3.97	158.47	
7/31/2012	280.42	40.61	4.06	159.32	
8/31/2012	255.52	40.19	3.81	172.20	
9/30/2012	265.27	42.53	3.47	173.41	
10/31/2012	324.13	44.13	3.13	145.80	
11/30/2012	319.70	43.63	3.07	146.07	10.00
12/31/2012	298.39	44.13	2.87	157.51	
1/31/2013	229.84	26.97	1.84	125.33	
2/28/2013	304.89	8.01	1.23	30.28	

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. The tubing is below the proposed CBP depth. TOO H with 2-3/8", 4.7#, J-55 tubing. Visually inspect for scale and consider replacing if needed. The tubing is above the proposed CBP depth, RIH with 2-3/8", 4.7#, J-55 tubing and tag for fill before TOO H. Visually inspect for scale and consider replacing if needed
3. If tbg looks ok consider running a gauge ring to 7540' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7540' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7490'. ND BOPs and NU frac valves Test frac valves and casing to to **6200 psi** for 15 minutes; if pressure test fails contact Denver engineer and see notes above. **Lock OPEN the Braden head valve**. Flow from annulus will be visually monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

6. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7206	7207	4	4
WASATCH	7233	7234	4	4
WASATCH	7254	7255	4	4
WASATCH	7311	7312	4	4
WASATCH	7458	7460	4	8

7. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7206' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

8. Set 8000 psi CBP at ~7156'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6957	6958	3	3
WASATCH	6972	6973	3	3
WASATCH	7006	7007	3	3
WASATCH	7040	7041	3	3
WASATCH	7066	7067	3	3
WASATCH	7124	7126	3	6

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6957' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs

10. Set 8000 psi CBP at ~6933'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6652	6654	3	6
WASATCH	6783	6785	3	6
WASATCH	6900	6903	3	9

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6652' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs

12. Set 8000 psi CBP at ~6636'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6496	6497	3	3
WASATCH	6537	6538	3	3
WASATCH	6550	6551	3	3
WASATCH	6562	6563	3	3
WASATCH	6573	6574	3	3
WASATCH	6590	6591	3	3
WASATCH	6609	6610	3	3
WASATCH	6625	6626	3	3

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6496' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

14. Set 8000 psi CBP at ~6075'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5965	5967	3	6
WASATCH	5997	5999	3	6
WASATCH	6043	6045	4	8

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5965' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

16. Set 8000 psi CBP at ~5835'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5693	5694	4	4
WASATCH	5706	5707	4	4
WASATCH	5789	5791	3	6
WASATCH	5803	5805	3	6

17. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5693' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

18. Set 8000 psi CBP at ~4938'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	4852	4855	3	9
WASATCH	4905	4908	3	9

19. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~4852' and flush only with recycled water.

20. Set 8000 psi CBP at~4802'.

21. ND Frac Valves, NU and Test BOPs.

22. TIH with 3 7/8" bit, pump off sub, SN and tubing.

23. Drill 7 plugs and clean out to a depth of 7480' (~ 20' below bottom perfs).

24. Shear off bit and land tubing at 7176'. Flow back completion load. RDMO

25. MIRU, POOH tbg and POBS. TIH with POBS.

26. Drill last plug @ 7490' clean out to PBTD at 9662'. Shear off bit and land tubing at ±8991'. This well WILL be commingled at this time.

27. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

28. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Name NBU 921-26IT

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7206	7207	4	4		7206	to	7468
	WASATCH	7233	7234	4	4				
	WASATCH	7254	7255	4	4				
	WASATCH	7311	7312	4	4				
	WASATCH	7458	7460	4	8				
	# of Perfs/stage				24		CBP DEPTH	7,156	
2	WASATCH	6957	6958	3	3		6956	to	7126
	WASATCH	6972	6973	3	3				
	WASATCH	7006	7007	3	3				
	WASATCH	7040	7041	3	3				
	WASATCH	7066	7067	3	3				
	WASATCH	7124	7126	3	6				
	# of Perfs/stage				21		CBP DEPTH	6,933	
3	WASATCH	6652	6654	3	6		6652	to	6915
	WASATCH	6783	6785	3	6				
	WASATCH	6900	6903	3	9				
	# of Perfs/stage				21		CBP DEPTH	6,636	
4	WASATCH	6496	6497	3	3		6492	to	6638
	WASATCH	6537	6538	3	3				
	WASATCH	6550	6551	3	3				
	WASATCH	6562	6563	3	3				
	WASATCH	6573	6574	3	3				
	WASATCH	6590	6591	3	3				
	WASATCH	6609	6610	3	3				
	WASATCH	6625	6626	3	3				
	# of Perfs/stage				24		CBP DEPTH	6,075	
5	WASATCH	5965	5967	3	6		5961	to	6047
	WASATCH	5997	5999	3	6				
	WASATCH	6043	6045	4	8				
	# of Perfs/stage				20		CBP DEPTH	5,835	
6	WASATCH	5693	5694	4	4		5690	to	5813
	WASATCH	5706	5707	4	4				
	WASATCH	5789	5791	3	6				
	WASATCH	5803	5805	3	6				
	# of Perfs/stage				20		CBP DEPTH	4,938	
7	WASATCH	4852	4855	3	9		4852	to	4910
	WASATCH	4905	4908	3	9				
	# of Perfs/stage				18		CBP DEPTH	4,802	
	Totals				148				Total

Fracturing Schedules
Name NBU 921-26HT
Slickwater Frac

Copy to new book

Casing Size	4.5
Recompleter?	Y
Pad?	N
ACTIS?	N

Swabbing Days	3
Production Log	0
DFT	0
GR only	N
Low Scale	Y
Clay Stab.	N

Enter Number of swabbing days here for recompletes
Enter 1 if running a Production Log
Enter Number of DFTs
Enter Y if only Gamma Ray log was run
Enter Y if a LOW concentration of Scale Inhibitor will be pumped
Enter N if there will be NO Clay stabilizer

Stage	Zone	Perfs		Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	7206	7207	4	4 Varied	Pre-Pad & Pump-in test			Slickwater	4,704	4,704	112	112						2
	WASATCH	7233	7234	4	4	0 ISIP and 5 min ISIP			Slickwater	8,154	12,858	82	194	15.0%	0.0%	0	0		2
	WASATCH	7254	7255	4	4	50 Slickwater Pad	0.25	1	Slickwater	11,500	24,358	274	468	50.0%	37.3%	7,188	7,188		6
	WASATCH	7311	7312	4	4	50 Slickwater Ramp	1	2	Slickwater	27,704	52,062	192	660	35.0%	62.7%	12,075	19,263		4
	WASATCH	7458	7460	4	8	50 Flush (4-1/2)			Slickwater	8,050	60,112	112	772			19,263	19,263		2
	WASATCH				50	ISDP and 5 min ISDP			Slickwater	4,704	64,816								0
	WASATCH										32,408	112	772			19,263		0	
	WASATCH								Sand laden Volume		23,000							16	
				24	15.4	<< Above pump time (min)						Flush depth	7,206		gal/md-ft	100,000	83,750	lbs sand/md-ft	
2	WASATCH	6957	6958	3	3 Varied	Pump-in test			Slickwater	0	0	0	0						
	WASATCH	6972	6973	3	3	0 ISIP and 5 min ISIP			Slickwater	5,130	5,130	122	122	15.0%	0.0%	0	0		3
	WASATCH	7006	7007	3	3	50 Slickwater Pad	0.25	1	Slickwater	22,230	27,360	407	529	50.0%	37.3%	10,688	10,688		9
	WASATCH	7040	7041	3	3	50 Slickwater Ramp	1	2	Slickwater	11,970	39,330	285	814	35.0%	62.7%	17,955	28,643		6
	WASATCH	7066	7067	3	3	50 Slickwater Ramp			Slickwater	38,742	78,072	108	922			28,643	28,643		2
	WASATCH	7124	7126	3	6	50 Flush (4-1/2)			Slickwater	4,542									0
	WASATCH				50	ISDP and 5 min ISDP					38,742	108	922			28,643		0	
	WASATCH								Sand laden Volume		34,200							19	
				21	18.4	<< Above pump time (min)						Flush depth	6,957		gal/md-ft	18,000	15,075	lbs sand/md-ft	
3	WASATCH	6652	6654	3	6 Varied	Pump-in test			Slickwater	0	0	0	0						
	WASATCH	6783	6785	3	6	0 ISIP and 5 min ISIP			Slickwater	3,782	3,782	90	90	15.0%	0.0%	0	0		2
	WASATCH	6900	6903	3	9	50 Slickwater Pad	0.25	1	Slickwater	12,608	16,390	300	390	50.0%	37.3%	7,880	7,880		6
	WASATCH				50	Slickwater Ramp	1	2	Slickwater	25,215	45,387	210	600	35.0%	62.7%	13,238	21,118		4
	WASATCH				50	Flush (4-1/2)			Slickwater	4,342	29,557	103	704			21,118	21,118		2
	WASATCH				50	ISDP and 5 min ISDP			Slickwater										0
	WASATCH										29,557	103	704			21,118		0	
	WASATCH								Sand laden Volume		25,215							15	
				21	14.1	<< Above pump time (min)						Flush depth	6,652		gal/md-ft	20,500	17,169	lbs sand/md-ft	
4	WASATCH	6496	6497	3	3 Varied	Pump-in test			Slickwater	0	0	0	0						
	WASATCH	6537	6538	3	3	0 ISIP and 5 min ISIP			Slickwater	3,600	3,600	86	86	15.0%	0.0%	0	0		2
	WASATCH	6550	6551	3	3	50 Slickwater Pad	0.25	1	Slickwater	12,000	15,600	286	371	50.0%	37.3%	7,500	7,500		6
	WASATCH	6562	6563	3	3	50 Slickwater Ramp	1	2	Slickwater	24,000	39,600	200	571	35.0%	62.7%	12,600	20,100		4
	WASATCH	6573	6574	3	3	50 Slickwater Ramp			Slickwater	8,400	48,000	101	672			20,100	20,100		2
	WASATCH	6590	6591	3	3	50 Flush (4-1/2)			Slickwater	4,241	28,241	101	672						0
	WASATCH	6609	6610	3	3	ISDP and 5 min ISDP					28,241	101	672			20,100		0	
	WASATCH	6625	6626	3	3				Sand laden Volume		24,000							14	
				24	13.4	<< Above pump time (min)						Flush depth	6,496		gal/md-ft	400,000	335,000	lbs sand/md-ft	
																	CBP depth	6,075	421

NBU 921-26IT Directional Survey												
MD	TVD	EW	NS	INC	AZI		MD	TVD	EW	NS	INC	AZI
0	0	0.0	0.0	0.0	0.0		3000	3000	29.5	-33.1	1.0	182.3
100	100	0.7	0.1	0.8	85.3		3200	3200	29.3	-36.6	1.0	186.2
200	200	1.7	0.0	0.5	108.2		3400	3400	29.1	-40.9	1.5	179.1
300	300	2.6	-0.1	0.5	81.1		3600	3599	27.4	-46.0	1.8	215.0
400	400	3.8	-0.5	1.0	120.0		3800	3799	21.8	-51.4	2.8	232.9
500	500	5.3	-1.2	1.0	111.9		4000	3999	16.5	-55.9	1.3	224.9
600	600	7.0	-1.8	1.0	105.9		4200	4199	13.8	-59.3	1.3	211.9
700	700	8.5	-2.6	1.0	131.8		4400	4399	12.5	-63.3	1.3	183.9
800	800	10.0	-3.8	1.3	120.7		4600	4599	11.5	-68.0	1.5	198.9
900	900	11.9	-4.8	1.3	119.6		4800	4799	10.4	-73.5	1.8	183.9
1000	1000	13.8	-6.0	1.3	121.5		5000	4999	10.0	-79.6	1.8	183.9
1100	1100	15.7	-7.0	1.3	114.4		5200	5199	9.9	-86.1	2.0	177.9
1200	1200	17.5	-8.2	1.3	134.3		5400	5399	10.1	-93.1	2.0	178.9
1300	1300	18.9	-9.5	1.0	131.2		5600	5598	10.6	-100.5	2.3	174.0
1400	1400	20.0	-10.6	0.8	145.2		5800	5798	11.6	-108.3	2.3	171.0
1500	1500	20.9	-11.8	1.0	138.1		6000	5998	12.3	-114.8	1.5	179.0
1600	1600	22.1	-12.8	0.8	121.0		6200	6198	13.0	-120.4	1.8	167.1
1700	1700	23.0	-13.7	0.8	144.9		6400	6398	14.4	-126.3	1.8	167.1
1800	1800	23.8	-14.7	0.8	136.8		6600	6598	15.3	-132.3	1.8	175.1
1900	1900	24.6	-15.7	0.8	147.7		6800	6798	16.4	-138.3	1.8	165.1
2000	2000	25.3	-16.5	0.5	124.6		7000	6998	16.9	-144.3	1.8	185.1
2100	2100	26.0	-17.1	0.5	137.5		7200	7198	16.1	-151.2	2.3	187.1
2200	2200	26.6	-17.7	0.5	129.4		7400	7397	14.8	-159.0	2.3	193.1
2300	2300	27.2	-18.6	0.8	155.4		7600	7597	13.6	-166.3	2.0	184.1
2400	2400	27.9	-19.7	0.8	139.3		7800	7797	12.8	-173.6	2.3	188.1
2500	2500	28.6	-21.2	1.3	167.7		8000	7997	12.7	-180.1	1.5	170.2
2600	2600	28.8	-23.4	1.3	183.7		8200	8197	14.7	-185.8	2.0	153.2
2700	2700	29.0	-25.5	1.3	163.6		8400	8397	17.2	-192.7	2.3	166.2
2800	2800	29.4	-27.9	1.5	177.5		8630	8627	19.9	-200.8	2.0	156.2
2900	2900	29.5	-30.7	1.8	177.4		9635	9631	32.3	-243.4	3.1	168.7

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER RECOMPLETION						5. LEASE DESIGNATION AND SERIAL NUMBER: ST ML 22934			
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217				PHONE NUMBER: (720) 929-6000		7. UNIT or CA AGREEMENT NAME UTU63047A			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NESE 1964 FSL 674 FEL S26,T9S,R21E AT TOP PRODUCING INTERVAL REPORTED BELOW: _____ AT TOTAL DEPTH: _____						8. WELL NAME and NUMBER: NBU 921-26IT			
14. DATE SPUDDED: 11/4/2008						15. DATE T.D. REACHED: 2/2/2009			
16. DATE COMPLETED: 4/11/2013						17. ELEVATIONS (DF, RKB, RT, GL): 5024 RKB			
18. TOTAL DEPTH: MD 9,712 TVD _____		19. PLUG BACK T.D.: MD 9,705 TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE PLUG SET: MD _____ TVD _____			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL/CCL/GR-COMP 2-CN/HDL/CAL						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#	0	40		28			
12 1/4"	9 5/8" J-55	36	0	2,490		645			
7 7/8"	4 1/2" I-80	11.6#	0	9,712		1,550		684	
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	8,978								
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	4,852	7,460			4,852 7,460	0.36	148	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
4852-7460		PUMP 4889 BBLs SLICK H2O & 141,386 LBS 30/50 OTTAWA SAND							
		7 STAGES							
29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____ <input type="checkbox"/> DIRECTIONAL SURVEY								30. WELL STATUS: PROD	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 4/11/2013		TEST DATE: 5/3/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0	GAS – MCF: 710	WATER – BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 164	CSG. PRESS. 726	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 710	WATER – BBL: 0	INTERVAL STATUS: PROD	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

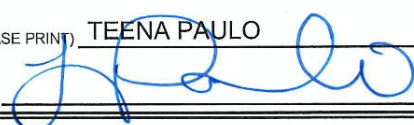
Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	1,555
				BIRD'S NEST	1,766
				MAHOGANY	2,311
				WASATCH	4,784
				MESAVERDE	7,542

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Wasatch 4852-7460 ft ; existing perforations: Mesaverde 7556-9675 ft . The Iso plug set @ 7490 ft. separating new perforations from old perforations was drilled out on 4/26/13 commingling the well.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) TEENA PAULO TITLE STAFF REGULATORY SPECIALIST

SIGNATURE  DATE 5/9/13

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 921-26IT			Spud Conductor: 11/4/2008			Spud Date: 11/28/2008			
Project: UTAH-UINTAH			Site: NBU 921-26I PAD				Rig Name No: GWS 1/1		
Event: RECOMPL/RESEREVEADD			Start Date: 4/3/2013				End Date: 4/11/2013		
Active Datum: RKB @5,024.00usft (above Mean Sea Level)				UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
4/3/2013	7:00 - 7:15	0.25	FRAC	48		P		JSA= MOVING EQUIP	
	7:15 - 17:00	9.75	FRAC	30		P		MOVE RIG & EQUIP FROM 22B SPOT RIG & EQUIP RU RIG FWP= 80 PSI TUB & CSG NU RIG PUMP CONTROL TUBING W/ TMAC ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP CONTROL CSG W/ TMAC UNLAND TUBING LD HNCR RU SCAN TECH POOH SCAN TUBING POOH W/ 180 JNTS OPEN WELL TO SALES SDFN	
4/4/2013	7:00 - 7:15	0.25	FRAC	48		P		JSA= PRESS TEST	
	7:15 - 17:00	9.75	FRAC	30		P		FWP= 85 PSI TUB & CSG, CONTROL WELL W/ TMAC CONTINUE TO POOH SCAN TUB. PULL OUT WITH 281 JNTS (14 RB, 267 YB) LD BHA RD SCANERS MIRU W/L RIH W/ GUAGE RNG TO 7510' POOH PU HALLI 10K CBP RIH SET @ 7490' POOH FILL HOLE W/ TMAC NU TEST UNIT TEST CSG TO 6200 PSI 15 MIN PU 3-3/8" GUN 23 GM, 0.36" HOLE PERF WASATCH @ 7206'-07 4 SPF, 180* PH, 4 HOLES 7233'-34', 4 SPF, 180* PH, 4 HOLES 7254'-55', 4 SPF, 180* PH, 4 HOLES 7311'-12', 4 SPF, 180* PH, 4 HOLES 7458'-60', 4 SPF, 180* PH, 8 HOLES SIW SDFW	
4/5/2013	7:00 - 15:00	8.00	FRAC	30				STAND BY	
4/8/2013	-								
4/9/2013	6:00 - 6:15	0.25	FRAC	48		P		JSA= FRAC & PERF SAFETY	

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-26IT			Spud Conductor: 11/4/2008			Spud Date: 11/28/2008		
Project: UTAH-UINTAH			Site: NBU 921-26I PAD			Rig Name No: GWS 1/1		
Event: RECOMPL/RESEREVEADD			Start Date: 4/3/2013			End Date: 4/11/2013		
Active Datum: RKB @5,024.00usft (above Mean Sea Level)			UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:15 - 6:15	0.00	FRAC	36		P		SIWP= RU W/L & FRAC EQUIP PRESS TEST PUMPS & LINES TO 7263 PSI, SET POP OFFS @ 6100 PSI HELD SAFETY MEETING W/ FC, W/L & RIG CREW STAGE #1] WHP=411 PSI ,BRK PSI= 3209 , INJ RT=6.9 , INJ PSI= 5557 , ISIP= 2472 ,FG=.78 , MP=5794 , MR= 53.6 , AP=4094 , AR= 47.4 , FG= .75 , ISIP=2256 , NPI= -216 , CALC PERFS OPEN= 17/24 71% STAGE # 2] PU RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 7156 , PERF WASATCH USING 3-3/8" EXPEND, .23 GRM, 0.36" HOLES 7124'-26, 3 SPF, 120* PH, 6 HOLES 7066'-67', 3 SPF, 120* PH, 3 HOLES 7040'-41', 3 SPF, 120* PH, 3 HOLES 7006'-07', 3 SPF, 120* PH, 3 HOLES 6972'-73', 3 SPF, 120* PH, 3 HOLES 6957'-58', 3 SPF, 120* PH, 3 HOLES 21 HOLES WHP= 543 ,BRK PSI=2820 , INJ RT= 44 , INJ PSI= 5222 , ISIP=2048 ,FG=.73 , MP= 5882 , MR= 49.8 , AP=4189 , AR= 44.7 , FG= .72 , ISIP=1991 , NPI=-57 , CALC PERFS OPEN= 15/21 71% STAGE # 3] PU RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 6933 , PERF WASATCH USING 3-3/8" EXPEND, .23 GRM, 0.36" HOLES 6900'-03', 3 SPF, 120* PH, 9 HOLES 6783'-85', 3 SPF, 120* PH, 6 HOLES 6652'-54', 3 SPF, 120* PH, 6 HOLES 21 HOLES WHP= 205 ,BRK PSI=2923 , INJ RT=45.8 , INJ PSI=5660 , ISIP= 2025 ,FG=.74 , MP= 5889 , MR=503 , AP= 4627 , AR= 46.1 , FG= .73 , ISIP= 1974 , NPI= -51 , CALC PERFS OPEN= 14/21 67% STAGE # 4] PU RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @ 6636 , PERF WASATCH USING 3-3/8" EXPEND, .23 GRM, 0.36" HOLES 6625'-26' 3 SPF, 120* PH, 3 HOLES 6609'-10. 3 SPF, 120* PH, 3 HOLES 6590'-91', 3 SPF, 120* PH, 3 HOLES 6573'-74', 3 SPF, 120* PH, 3 HOLES 6562'-63', 3 SPF, 120* PH, 3 HOLES 6550'-51', 3 SPF, 120* PH, 3 HOLES 6537'-38', 3 SPF, 120* PH, 3 HOLES 6496'-97', 3 SPF, 120* PH, 3 HOLES 24 HOLES WHP= 389 ,BRK PSI=2381 , INJ RT=36.7 , INJ PSI= 3602 , ISIP= 1468 ,FG=.66 , MP=5691 , MR=53.9 , AP= 3853 , AR=45.1 , FG=.70 , ISIP=1688 , NPI=220 , CALC PERFS OPEN= 16/24 67% STAGE # 5] PU RIH W/ HALLI 8K CBP & PERF GUN,

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-26IT	Spud Conductor: 11/4/2008	Spud Date: 11/28/2008
Project: UTAH-UINTAH	Site: NBU 921-26I PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD	Start Date: 4/3/2013	End Date: 4/11/2013
Active Datum: RKB @5,024.00usft (above Mean Sea Level)	UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
								<p>SET CBP @ 6075 , PERF WASATCH USING 3-3/8"</p> <p>EXPEND, .23 GRM, 0.36" HOLES</p> <p>6043'-45' 4 SPF, 180* PH, 8 HOLES</p> <p>5997'-99', 3 SPF, 120 * PH, 6 HOLES</p> <p>5965'-67, 3 SPF, 120* PH, 6 HOLES 20 HOLES</p> <p>WHP=257 ,BRK PSI=2768 , INJ RT= 49.4 , INJ PSI= 3603 , ISIP=1327 ,FG=.66 , MP= 3706 , MR= 54.3 , AP= 3174 , AR=50.6 , FG=.64 , ISIP= 1235 , NPI=-92 , CALC PERFS OPEN= 20/20 100%</p> <p>STAGE # 6] PU RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @5835' , PERF WASATCH USING 3-3/8"</p> <p>EXPEND, .23 GRM, 0.36" HOLES</p> <p>5803'-05', 3 SPF, 120* PH, 6 HOLES</p> <p>5789'-91', 3 SPF, 120* PH, 6 HOLES</p> <p>5706'-07', 4 SPF, 180* PH, 4 HOLES</p> <p>5693'-94', 4 SPF, 180* PH, 4 HOLES 20 HOLES</p> <p>WHP= 235 ,BRK PSI=3516 , INJ RT=47.1 , INJ PSI= 3092 , ISIP=773 ,FG= .57 , MP=4065 , MR=53.6 , AP=3122 , AR= 47.4 , FG=.70 , ISIP= 1517 , NPI= 744 , CALC PERFS OPEN= 20/20 100%</p> <p>STAGE # 7] PU RIH W/ HALLI 8K CBP & PERF GUN, SET CBP @4950' , PERF WASATCH USING 3-3/8"</p> <p>EXPEND, .23 GRM, 0.36" HOLES</p> <p>4905'-08',3 SPF, 120* PH, 9 HOLES</p> <p>4852'-55', 3 SPF, 120* PH, 9 HOLES 18 HOLES</p> <p>WHP=279 ,BRK PSI=3250 , INJ RT=46.8 , INJ PSI= 4959 , ISIP=1010 ,FG= .65 , MP=5215 , MR= 47.5 , AP=3725 , AR=46.5 , FG=.76 , ISIP= 1575 , NPI=565 , CALC PERFS OPEN= 13/18 72%</p> <p>PU RIH SET KILL PLUG @ 4790' POOH SIW RD FRAC CREW & W/L SDFN</p> <p>TOTAL FLUID= 4889 BBLS</p> <p>TOTAL SAND =141386</p> <p>65 GAL BIOCID</p> <p>104 GAL SCALE</p> <p>JSA= GAS CLOSED LOOP UNIT</p>
4/10/2013	7:00 - 7:15	0.25	DRLOUT	48		P		

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-26IT		Spud Conductor: 11/4/2008		Spud Date: 11/28/2008	
Project: UTAH-UINTAH		Site: NBU 921-26I PAD			Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD		Start Date: 4/3/2013		End Date: 4/11/2013	
Active Datum: RKB @5,024.00usft (above Mean Sea Level)		UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	DRLOUT	30		P		THAW FROZEN FRAC VALVES OPEN WELL ND FV, NU BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" BIT, PUMP OPEN BIT SUB, 1.87XN TALLY & RIH TAG KILL PLG @ 4790' RU DRILLING EQUIP, NU GAS UNIT EST CIRC TEST BOPS TO TO 3000 PSI PLUG #1J DRILL THRU HALLI 8K CBP @ 4790' IN 20 MIN W/ 300# INCREASE PLUG #2J CONTINUE TO RIH TAG SAND @ 4925' (25' FILL) C/O & DRILL THRU HALLI 8K CBP @ 4950' IN 9 MIN W/ 0 INCREASE CIRC WELL CLEAN 45 MIN RD PWR SWWL SIW SDFN JSA= GAS UNIT SAFETY
4/11/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 19:30	12.25	DRLOUT	30		P		SIWP= 700 PSI OPEN WELL TO FBT CONTROL TUBING W/ TMAC CONTINUE TO RIH TAG SAND RU PWR SWWL EST CIRC PLUG #3J TAG SAND @ 5800' (35' FILL) C/O & DRILL THRU HALLI 8K CBP @ 5835' IN 11 MIN W/ 100# INCREASE PLUG #4J CONTINUE TO RIH TAG SAND @ 6085' (15' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6075' IN 12 MIN W/ 150# INCREASE PLUG #5J CONTINUE TO RIH TAG SAND @ 6609' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6636' IN 10 MIN W/ 200# INCREASE PLUG #6J CONTINUE TO RIH TAG SAND @ 6903' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @ 6933' IN 9 MIN W/ 250# INCREASE PLUG #7J CONTINUE TO RIH TAG SAND @ 7128' (28' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7156' IN 11 MIN W/ 0 INCREASE PLUG #8J CONTINUE TO RIH TAG SAND @ 7455' (35' FILL) C/O TO PLUG @ 7490' CIRC CLEAN POOH LD 10 JNS POOH TO STRING FLOAT RIH LAND TUB ON HNGR W/ 225 JNTS 2-3/8" J-55 YB TUBING EOT @ 7170.29' RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD DROP BALL PUMP OPEN BIT SUB @ 1500 PSI SIW NU & TEST FLOWLINE TURN WELL OVER TO FBC RD RIG SDFN

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-26IT		Spud Conductor: 11/4/2008		Spud Date: 11/28/2008	
Project: UTAH-UINTAH		Site: NBU 921-26I PAD			Rig Name No: SWABBCO 6/6
Event: RECOMPL/RESEREVEADD		Start Date: 4/26/2013		End Date: 4/29/2013	
Active Datum: RKB @5,024.00usft (above Mean Sea Level)			UWI: 0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/26/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.
	7:15 - 17:30	10.25	DRLOUT	30		P		CP=100# TP= 100#. MIRU. CNTRL TBNGW/ 20BBLs TMAC. BLOW DOWN CSNG. NDWH. NUBOP. UN-LAND WELL. POOH W/ 227JTS 2-3/8" J-55 TBNG. L/D PUMP OPEN SUB. RIH W/ 3-7/8" BIT + POBS / XN + 237 JTS TBNG. T/U ON CBP @7490'. MIRU FOAM / AIR UNIT. BREAK CIRC. IN 90MIN. D/O CBP IN 15MIN W/ - 200# DIFFERENTIAL. CNTRL TBG W/ 10BBLs TMAC. CONT P/U & RIH W/ TOTAL OF 294JTS 2-3/8" J-55 TBNG. T/U ON SUSPECTED SCALE @ 9319'. TOO LATE TO BREAK CIRC. POOH W/ 20JTS. SWMFN. WILL CONT D/O MONDAY AM.
4/29/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.
	7:15 - 16:30	9.25	DRLOUT	30		P		SICP= 1100#. SITP= 0#. OPEN CSNG TO FLOWBACK TANK. RIH W/ 20JTS 2-3/8" J-55 TBNG. T/U ON SCALE @9319' W/ 294JTS TBNG. R/U POWER SWVEL. R/U FOAM / AIR UNIT. BREAK CIRC IN 1HR. D/O 12' HEAVY SCALE. C/O TO PBTD @ 9706' W/ 305JTS TBNG. CIRC WELL CLEAN FOR 45MIN. PUMP 20BBL TMAC DOWN TBNG. RDMO FOAM UNIT. L/D 23JTS 2-3/8" J-55 TBNG. LAND WELL ON HANGER AS FOLLOWS: KB= 18.00' HANGER = .83' 282JTS 2-3/8" J-55 4.7# TBNG = 8956.86' POBS / XN = 2.20' EOT@ 8977.89' LAND WELL ON HANGER. NDBOP. NUWH. DROP BALL AND PUMP OFF BIT W/ 50 BBLs TMAC. DID NOT SEE THE BIT PUMP OFF. SWI. LET THE WIND DIE DOWN FOR +/- 2HRS. RDMOL. ROAD RIG TO NBU 1022-3G PAD. TWLTR= 45BBLs NOTE: L/D 6JTS BENT TBNG.

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION	
Representative		
Address		

1.2 Well/Wellbore Information

Well	NBU 921-26IT	Wellbore No.	OH
Well Name	NBU 921-26IT	Wellbore Name	NBU 921-26IT
Report No.	1	Report Date	4/8/2013
Project	UTAH-UINTAH	Site	NBU 921-26I PAD
Rig Name/No.	GWS 1/1	Event	RECOMPL/RESERVE/VEADD
Start Date	4/3/2013	End Date	4/11/2013
Spud Date	11/28/2008	Active Datum	RKB @5,024.00usft (above Mean Sea Level)
UWI	0/9/S/21/E/26/0/NESE/6/PM/S/1,964.00/E/0/674.00/O/O		

1.3 General

Contractor	Job Method	Supervisor
Perforated Assembly	Conveyed Method	

1.4 Initial Conditions

Fluid Type	Fluid Density	Gross Interval	4,852.0 (usft)-7,460.0 (usft)	Start Date/Time	4/8/2013 12:00AM
Surface Press	Estimate Res Press	No. of Intervals	31	End Date/Time	4/8/2013 12:00AM
TVD Fluid Top	Fluid Head	Total Shots	148	Net Perforation Interval	46.00 (usft)
Hydrostatic Press	Press Difference	Avg Shot Density	3.22 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL			Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/8/2013 12:00AM	WASATCH/			4,852.0	4,855.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTION	
														N	

US ROCKIES REGION

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/8/2013 12:00AM	WASATCH/			4,905.0	4,908.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,693.0	5,694.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,706.0	5,707.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,789.0	5,791.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,803.0	5,805.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,965.0	5,967.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			5,997.0	5,999.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,043.0	6,045.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,496.0	6,497.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,537.0	6,538.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,550.0	6,551.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,562.0	6,563.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,573.0	6,574.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,590.0	6,591.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,609.0	6,610.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,625.0	6,626.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,652.0	6,654.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,763.0	6,765.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,900.0	6,903.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,957.0	6,958.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N
4/8/2013 12:00AM	WASATCH/			6,972.0	6,973.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	N

US ROCKIES REGION

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/8/2013 12:00AM	WASATCH/			7,006.0	7,007.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,040.0	7,041.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,066.0	7,067.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,124.0	7,126.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,206.0	7,207.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,233.0	7,234.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,254.0	7,255.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,311.0	7,312.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	
4/8/2013 12:00AM	WASATCH/			7,458.0	7,460.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	

3 Plots

3.1 Wellbore Schematic

